Infrastructure Plan Sheets

Downtown West

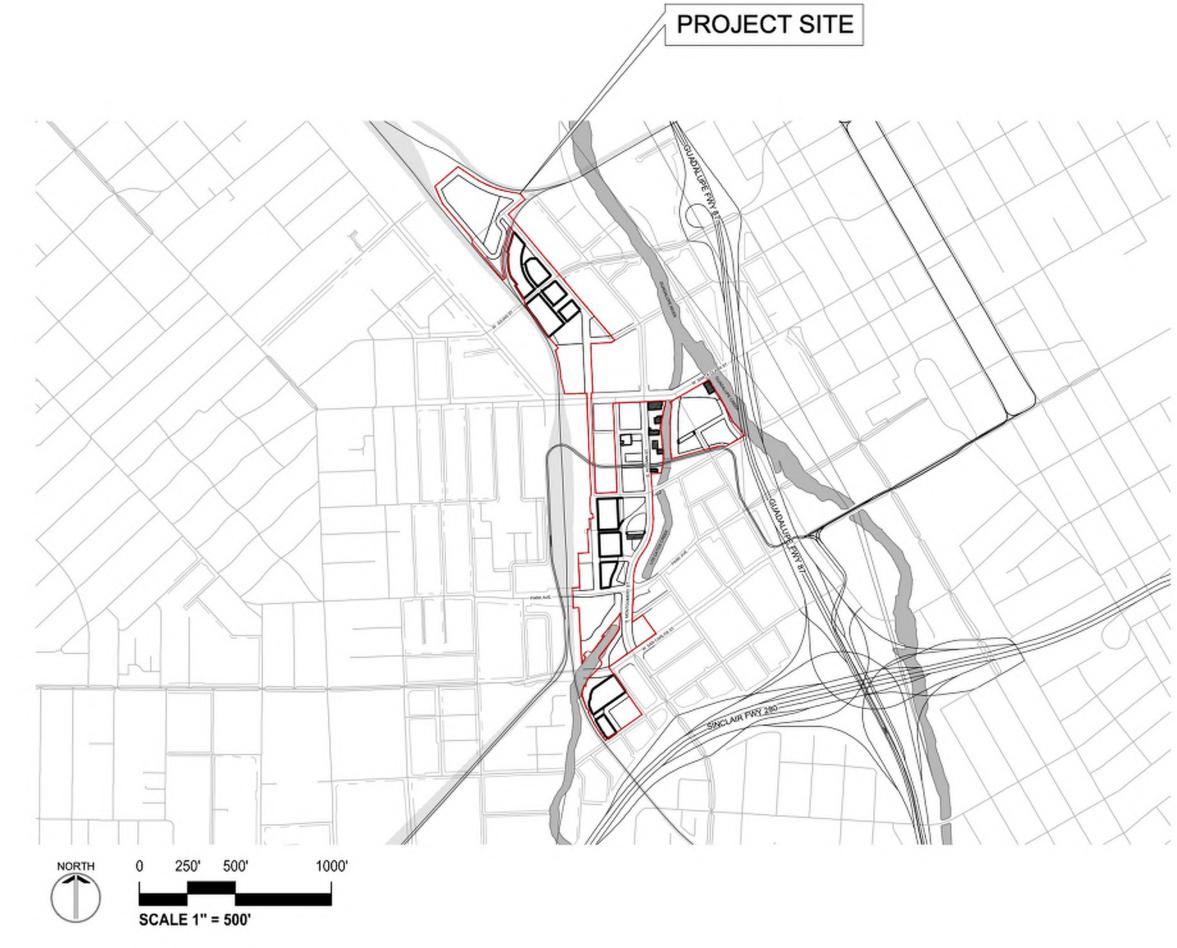
San Joyé, California

GENERAL NOTES

- THESE INFRASTRUCTURE PLAN SHEETS ARE CONCEPTUAL IN NATURE AND DESCRIBE ANTICIPATED FLOODPLAINS, GRADING DESIGN, UTILITY DESIGN, AND STORMWATER IMPROVEMENTS. FINAL PLANS WILL BE SUBMITTED AND EVALUATED AS PART OF 100% TRACT IMPROVEMENT PLANS.
- 2. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON SURVEY PERFORMED BY HMH ENGINEERS UNDER THE DIRECTION OF TRACY GIORGETTI, LS FROM JANUARY 2020 TO JULY 2020. BASIS OF BEARINGS: THE CALCULATED BEARING OF SOUTH 02" 43" 35" WEST TAKEN BETWEEN THE RECORD POSITION OF GPS CONTROL POINT 2218 AND GPS CONTROL POINT 1049, AS SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED FOR RECORD ON JUNE 21, 1996, IN BOOK 677 OF MAPS AT PAGE 54, OFFICIAL RECORDS OF SANTA CLARA COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON. BENCHMARK: SCVWD BM365 = 83.71', NORTH AMERICAN VERTICAL DATUM OF 1988, DATE ADJUSTED MARCH 14, 2017, VALLEY TRANSPORTATION AGENCY'S ALUMINUM DISK (VTA-225) ON TOP AND AT MID CONCRETE SIDEWALK; 3.1 FEET SOUTH FROM FACE OF CURB; 12 FEET WEST FROM THE SOUTHEAST CORNER OF NEW JULIAN STREET BRIDGE OVER GUADALUPE RIVER; BETWEEN HIGHWAY 87 AND AUTUMN STREET. CITY OF SAN JOSE. GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN, CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND CONDUCT FIELD INVESTIGATIONS TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
- 3. THIS TOPOGRAPHIC SURVEY IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. INFORMATION REGARDING EXISTING SURFACE OR SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS REFLECTS INCOMPLETE AVAILABLE INFORMATION AS OF THE DATE OF DESIGN. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES (WHETHER SHOWN ON THESE PLANS OR NOT) PRIOR TO THE COMMENCEMENT OF WORK.
- THE DESIGN SHOWN IN THESE DRAWINGS IS BASED UPON STANDARDS AS PROVIDED IN THE DOWNTOWN WEST IMPROVEMENT STANDARDS.

UNAUTHORIZED CHANGE AND USE

- . SHERWOOD DESIGN ENGINEERS, LTD. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, FOR THE SAFETY OF THE PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CIVIL DESIGN ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OR THESE PLANS. ANY MODIFICATIONS TO THIS DOCUMENT, WITHOUT THE WRITTEN PERMISSION OF SHERWOOD DESIGN ENGINEERS, LTD., SHALL RENDER THE PLANS INVALID AND UNUSABLE.
- 5. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS OF ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF SHERWOOD DESIGN ENGINEERS, LTD., EXCEPT THAT ANY REGULATORY AUTHORITY MAY REPRODUCE AND TRANSMIT COPIES, AS REQUIRED, IN CONJUNCTION WITH PERFORMANCE OF OFFICIAL BUSINESS UNDER ITS JURISDICTION.



SHEET INDEX

C1.1

C2.1

C2.2

C2.4

C2.6

C2.7

C4.1

C5.1

CO.O COVER SHEET

FLOODPLAIN MAP

GRADING PLAN

UTILITY PLAN

UTILITY PLAN

UTILITY PLAN

UTILITY PLAN
UTILITY PLAN

UTILITY PLAN

UTILITY PLAN

C5.2 CITY OF SAN JOSE DETAILS

C5.4 CITY OF SAN JOSE DETAILS C5.5 CITY OF SAN JOSE DETAILS

CITY OF SAN JOSE DETAILS

DETAILS

GRADING PLAN KEYMAP

STORMWATER CONTROL PLAN

UTILITY PLAN KEYMAP

C1.0 SITE PLAN

INFRASTRUCTURE PLAN

NO DATE DESCRIPTION
PROJECT NO: 18-077

ഗ

PROJECT NO: 18-077

CAD DWG FILE: C-01 COVER.DWG

DESIGNED BY: AG

DRAWN BY: CQ

CHECKED BY: BB

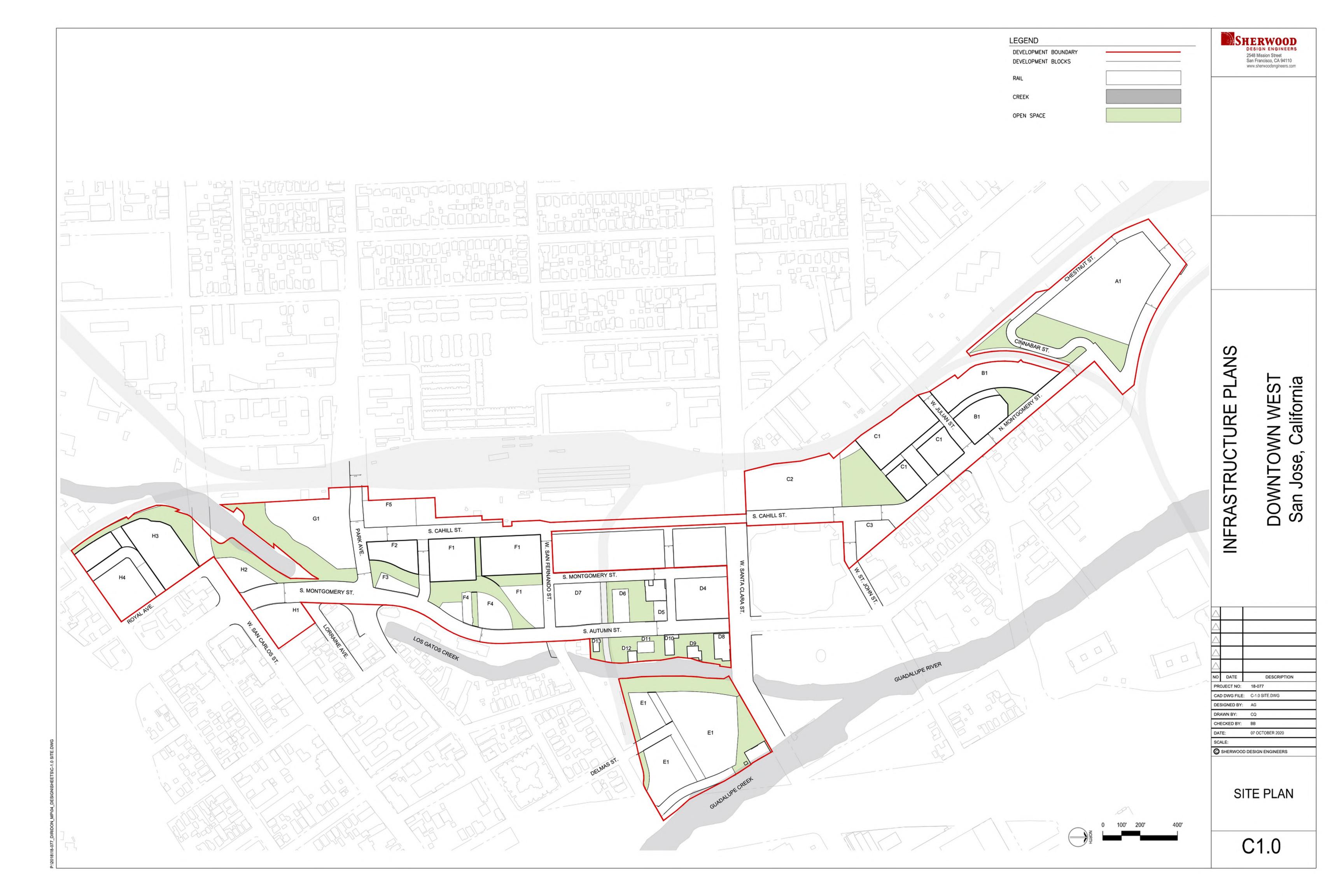
DATE: 07 OCTOBER 2020

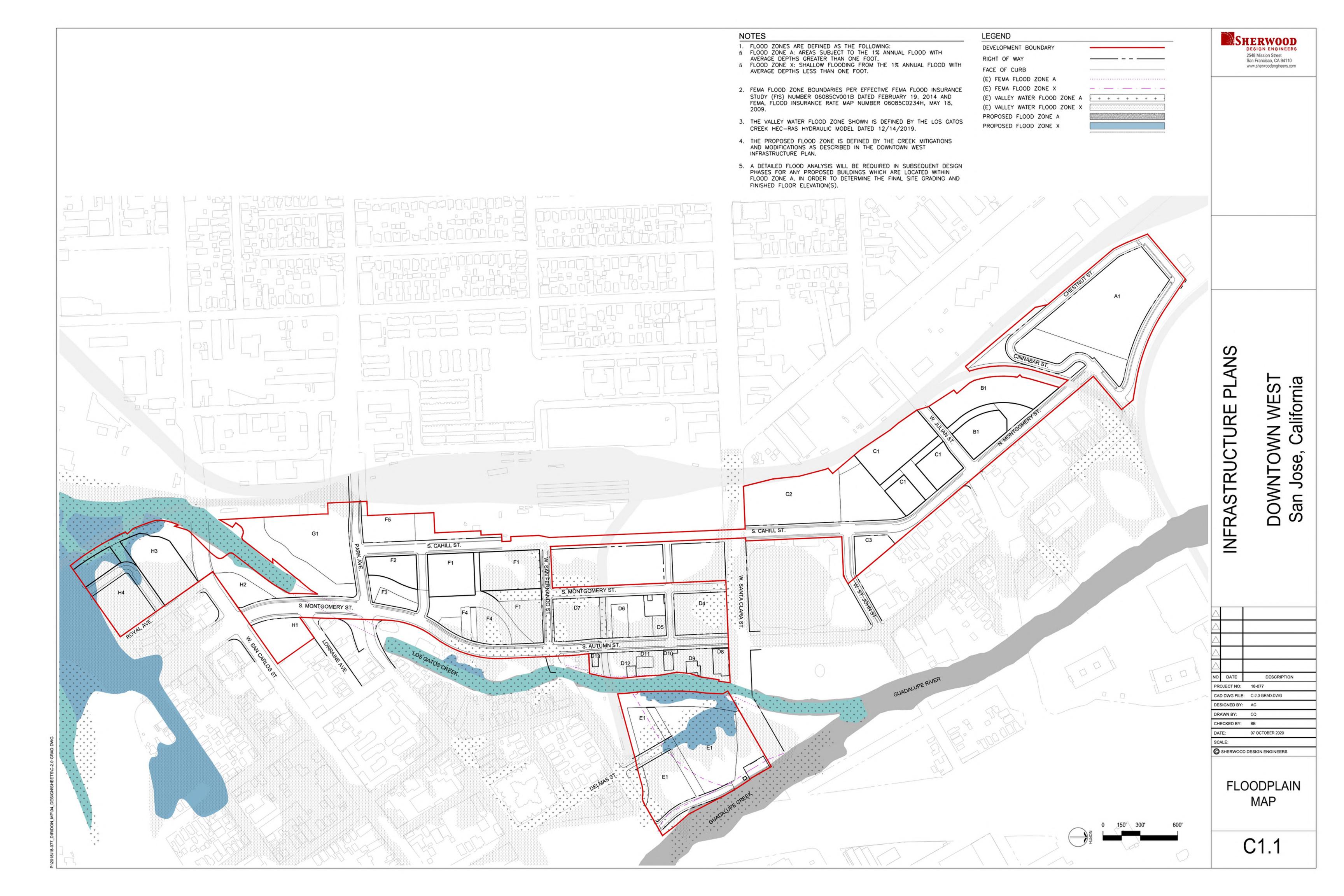
SCALE:

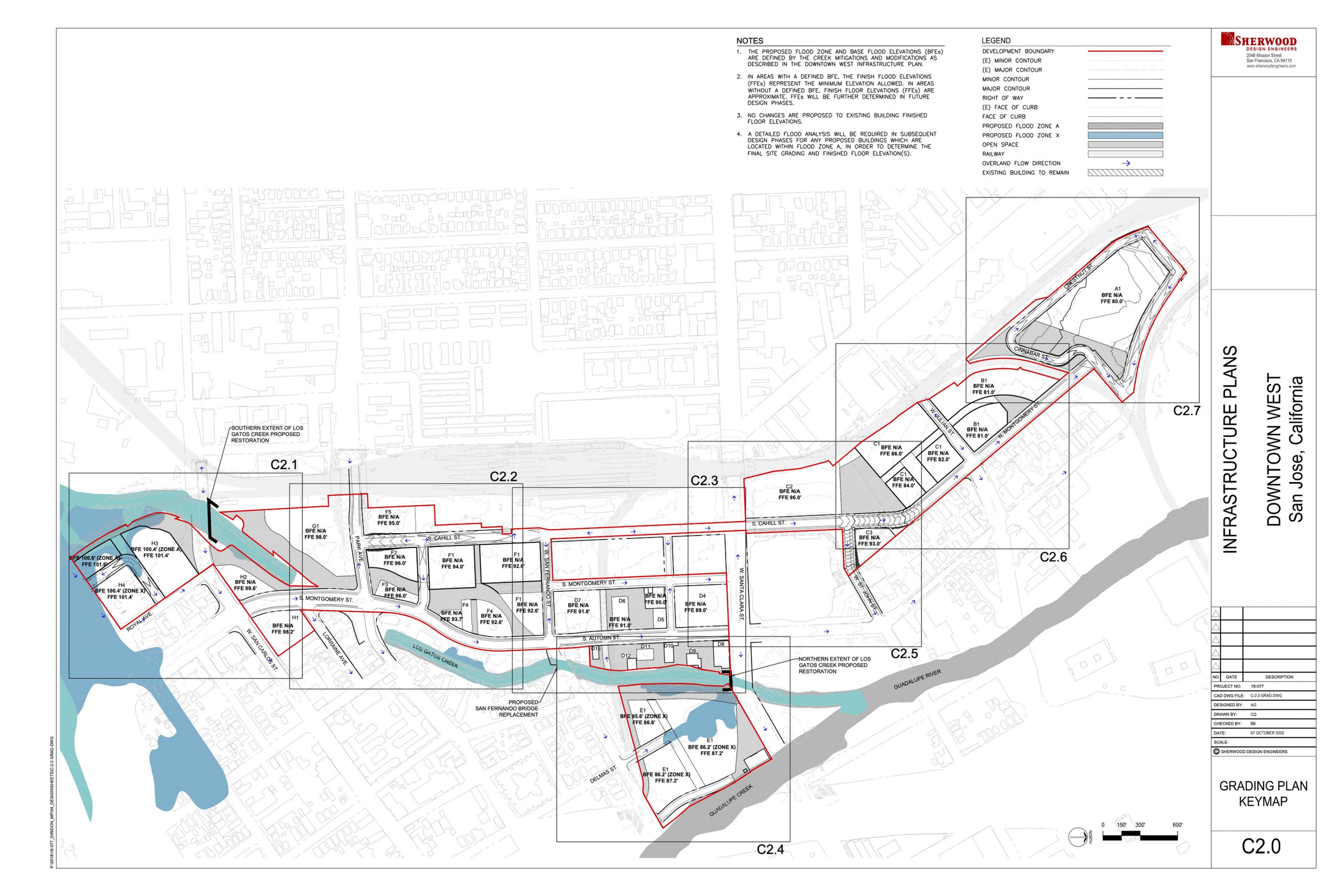
SHERWOOD DESIGN ENGINEERS

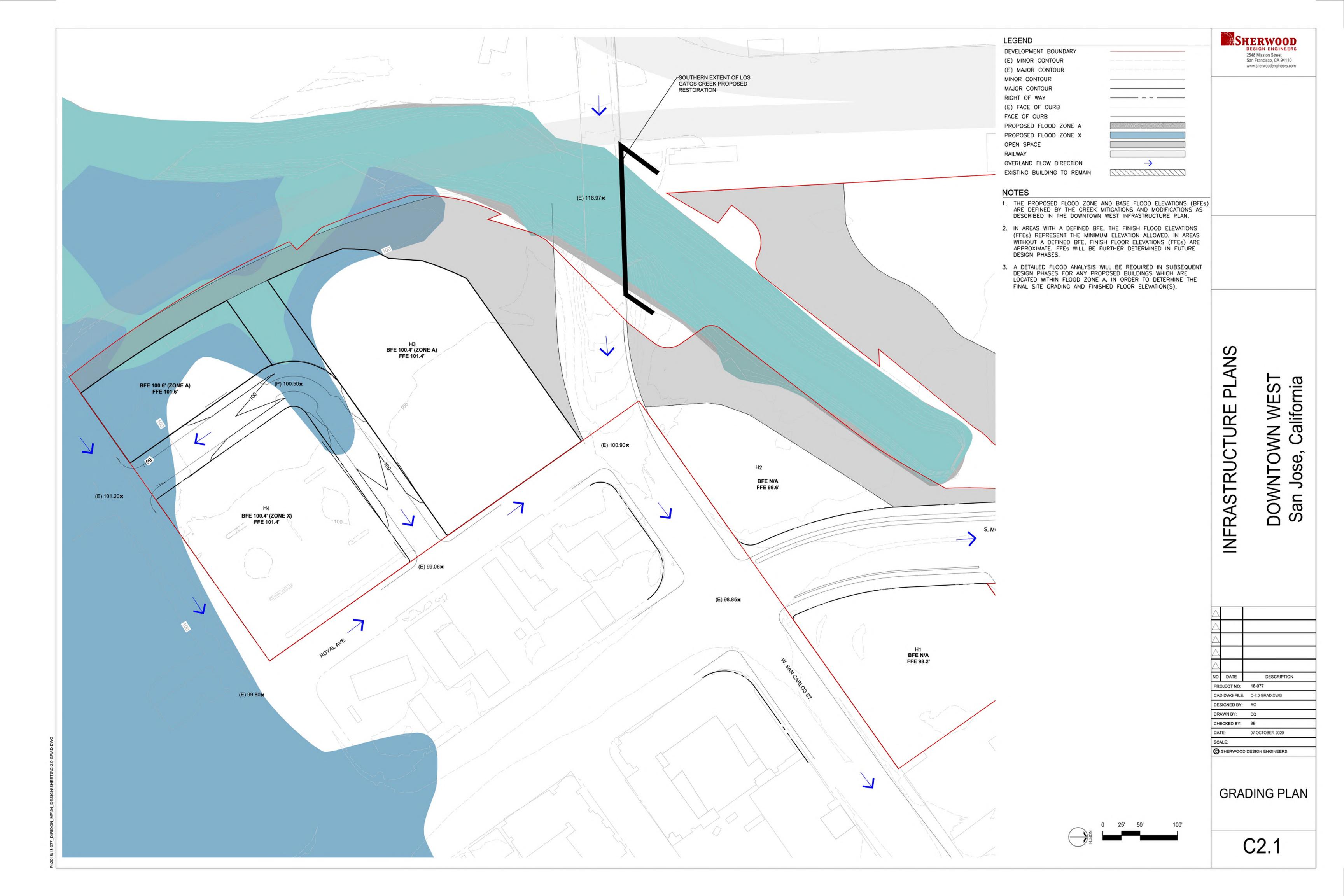
COVER SHEET

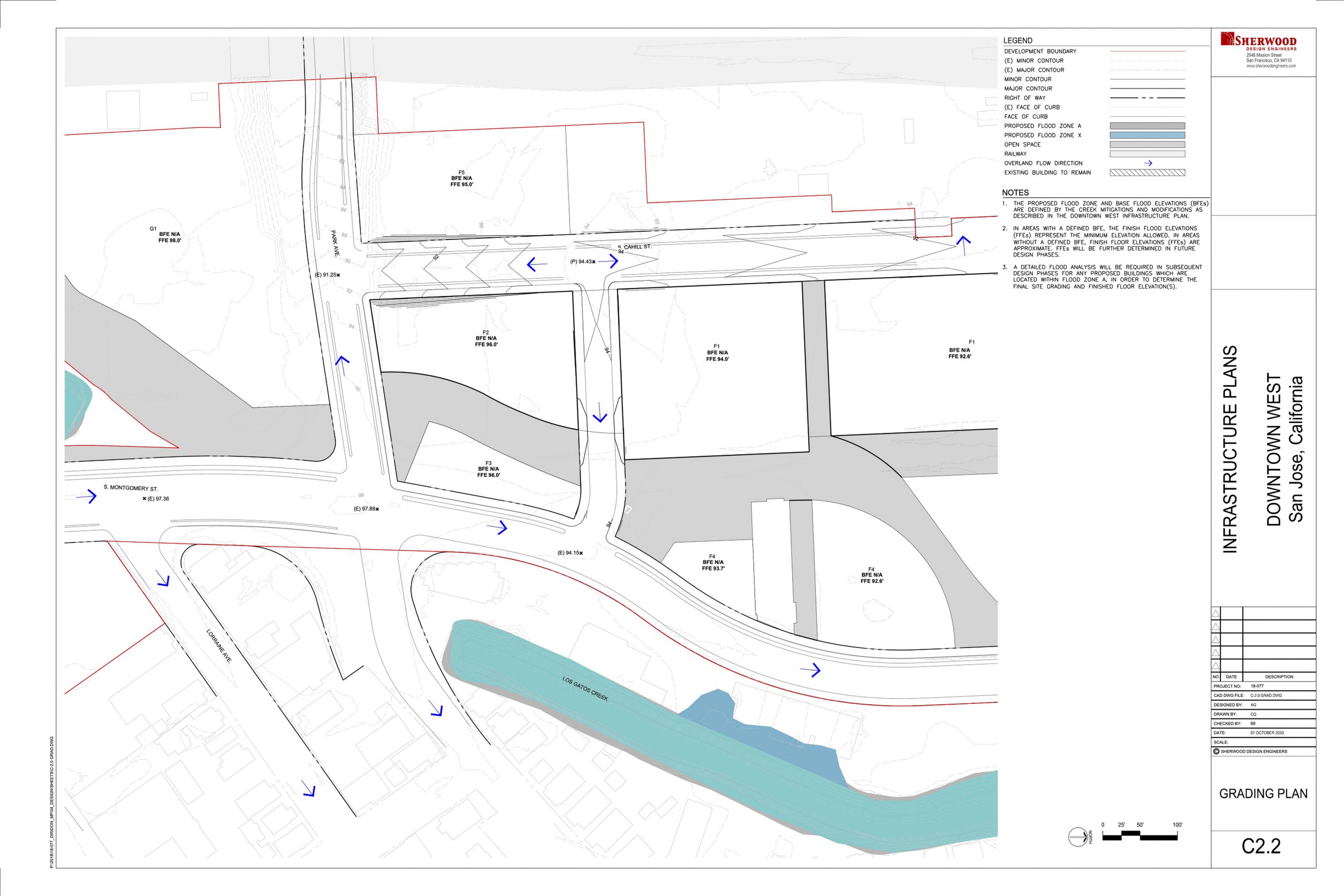
C0.0

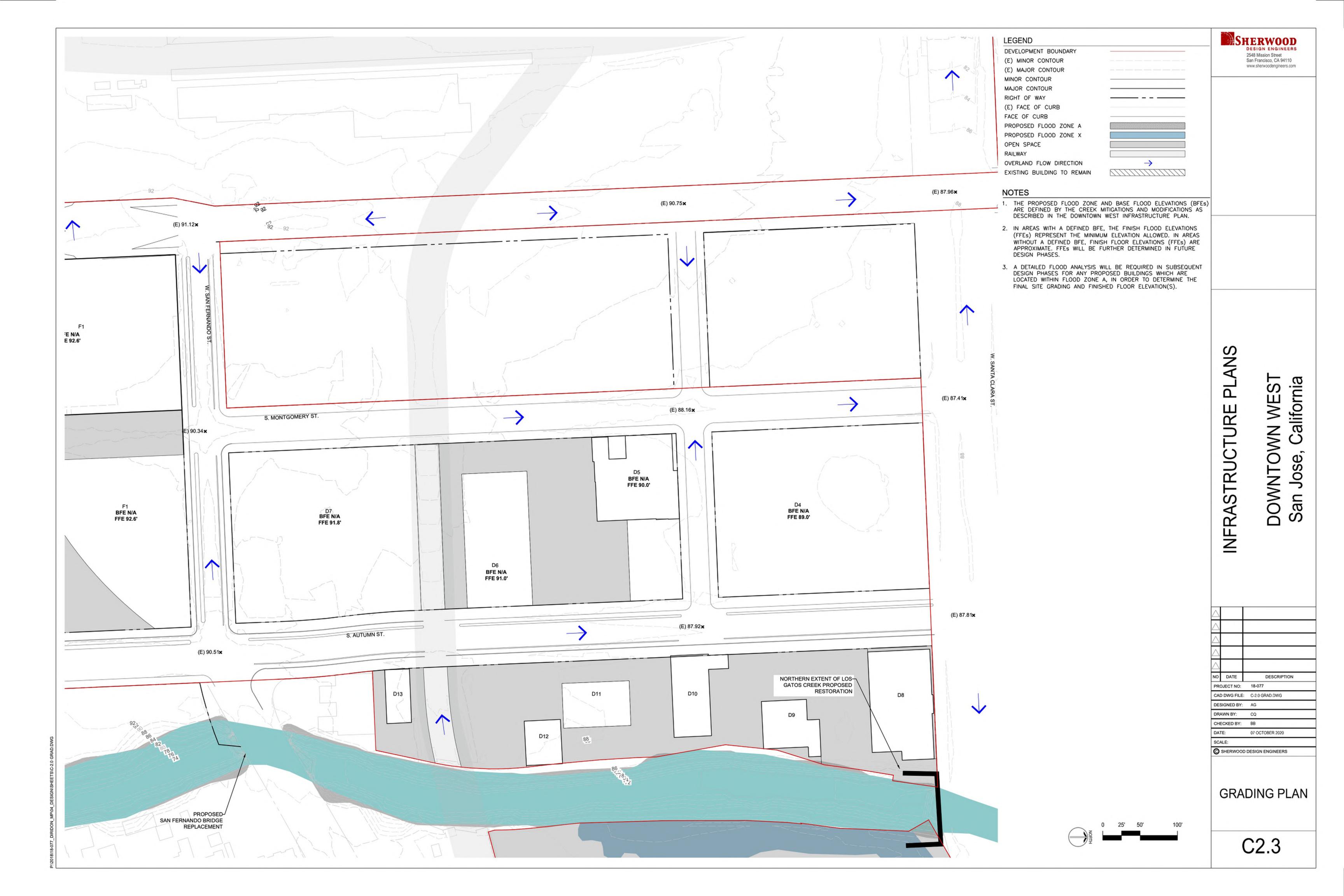


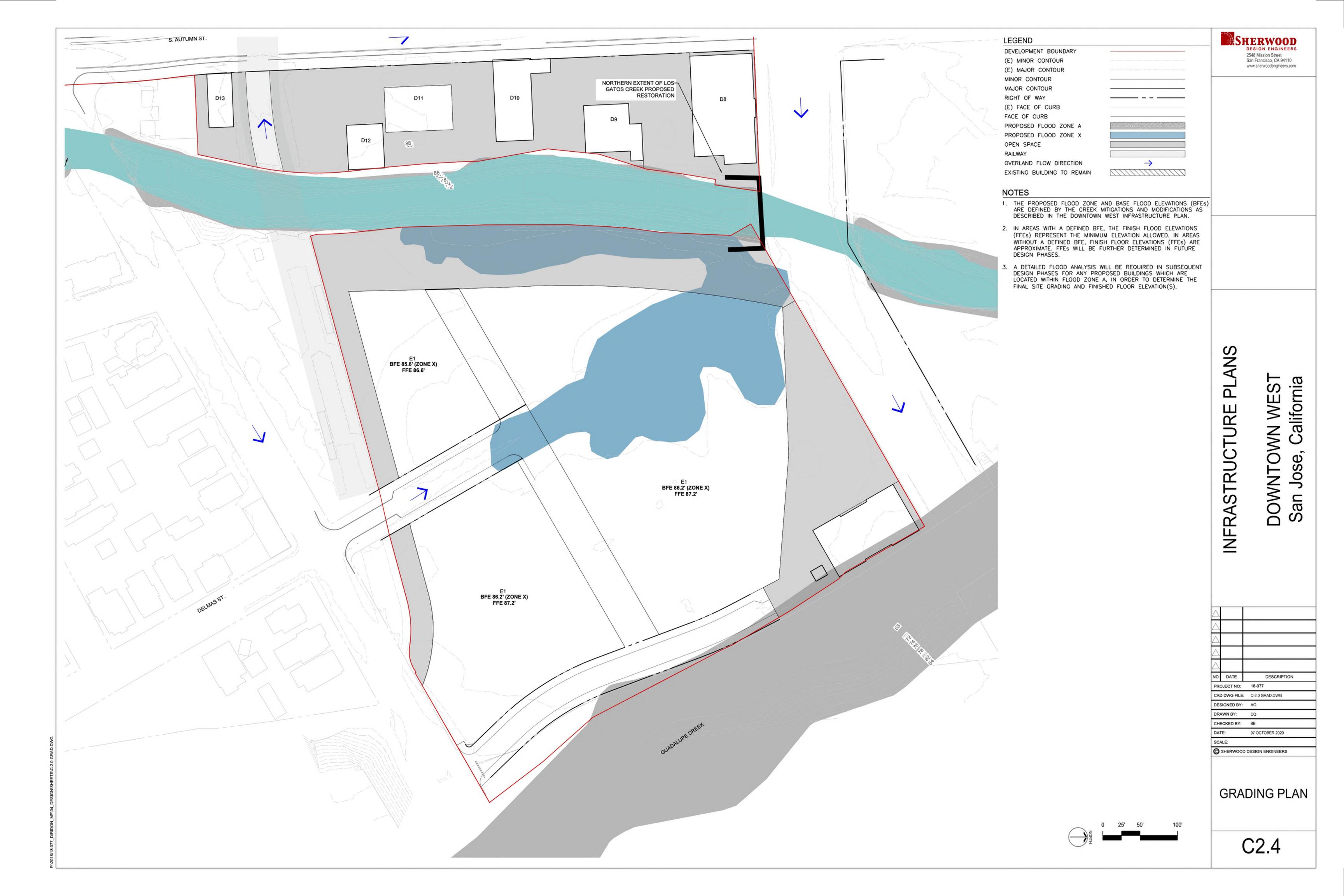


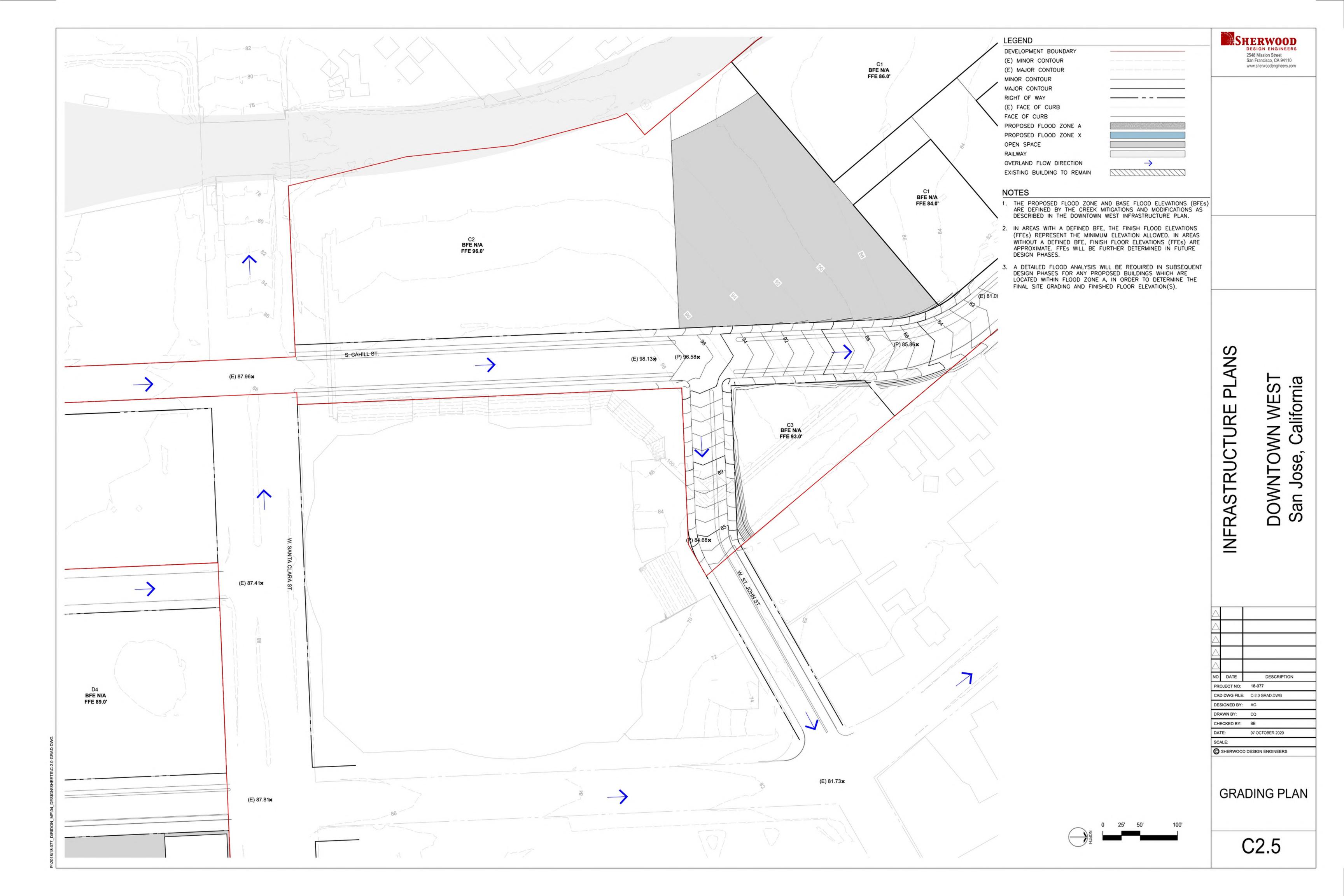


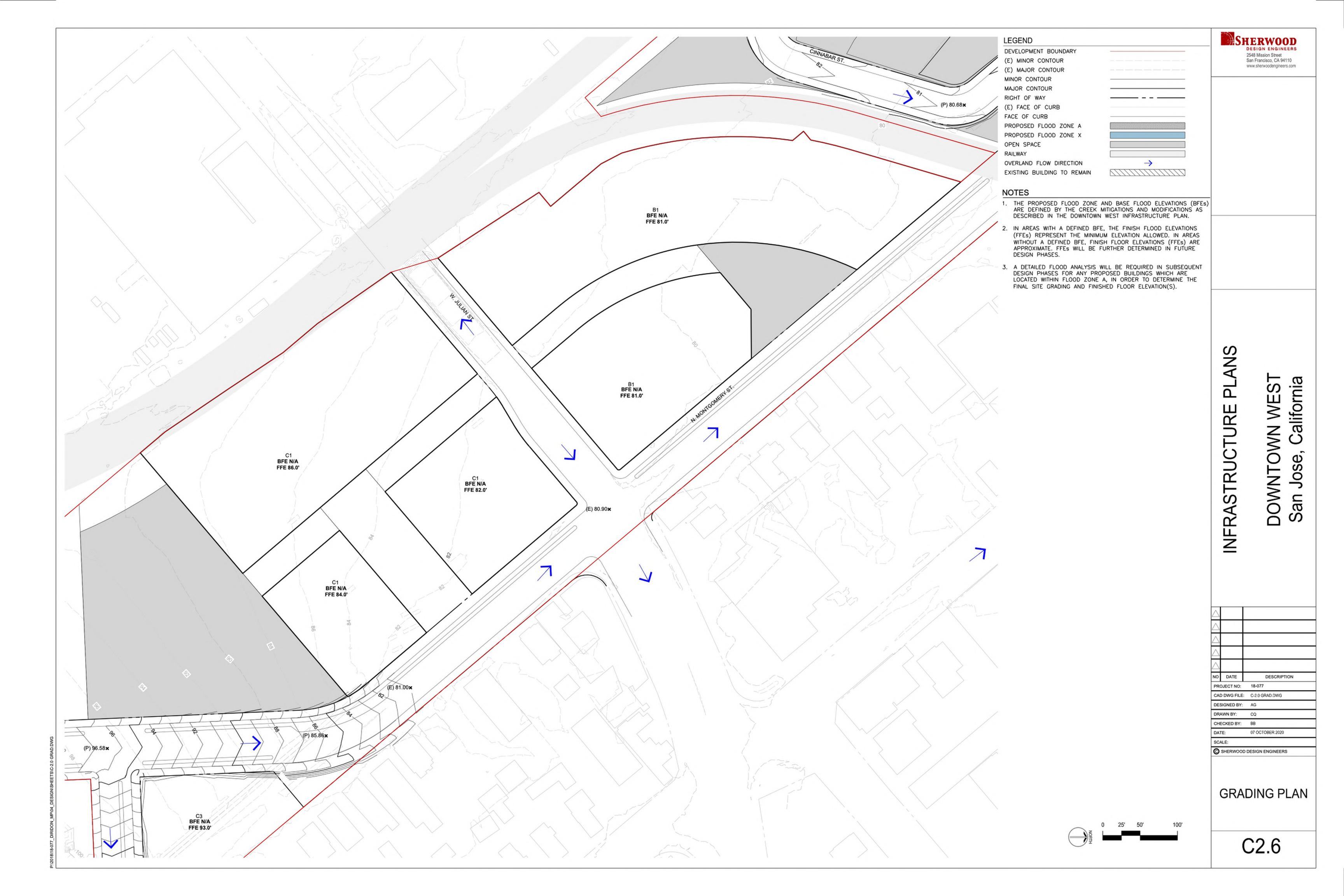


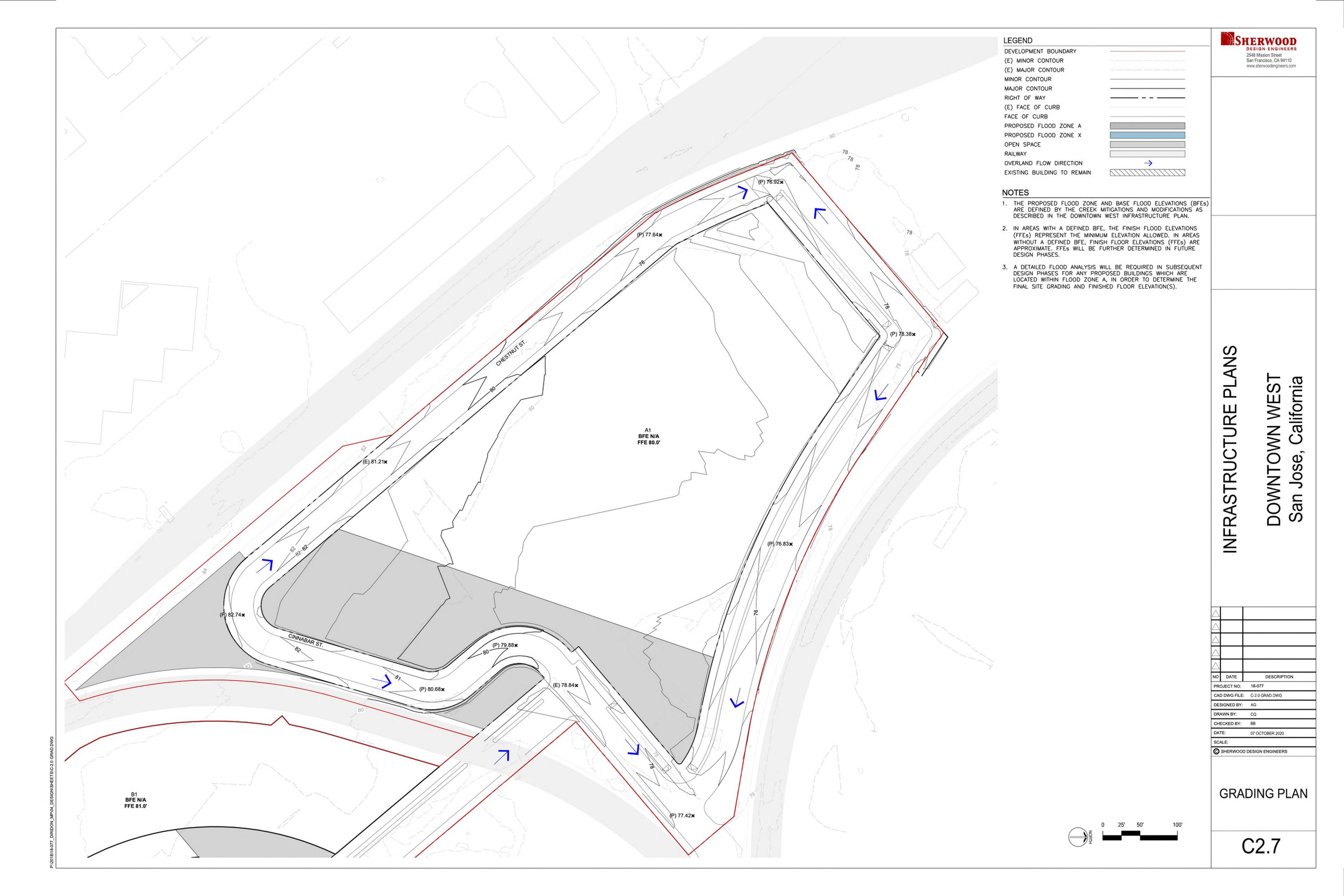


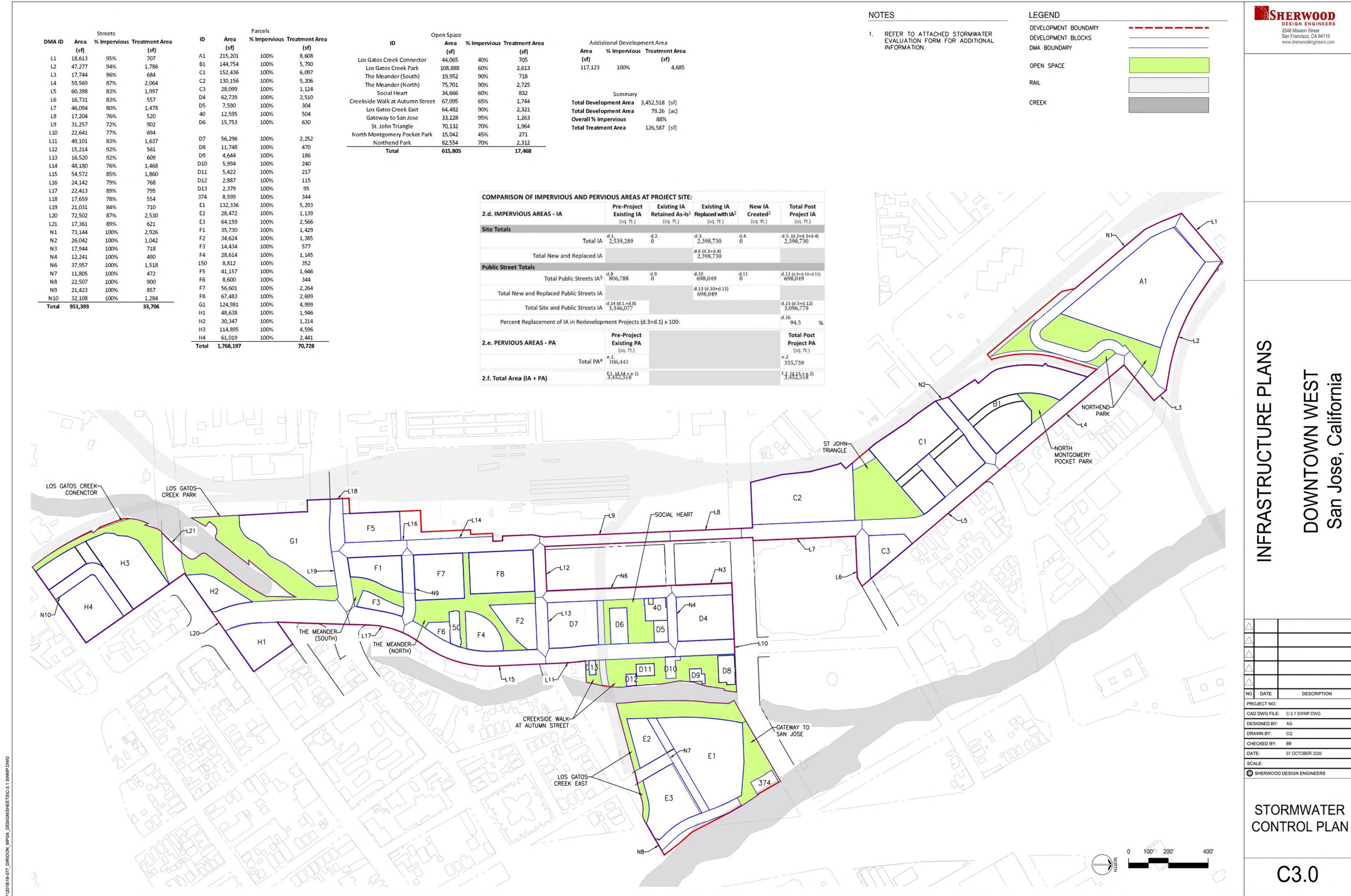


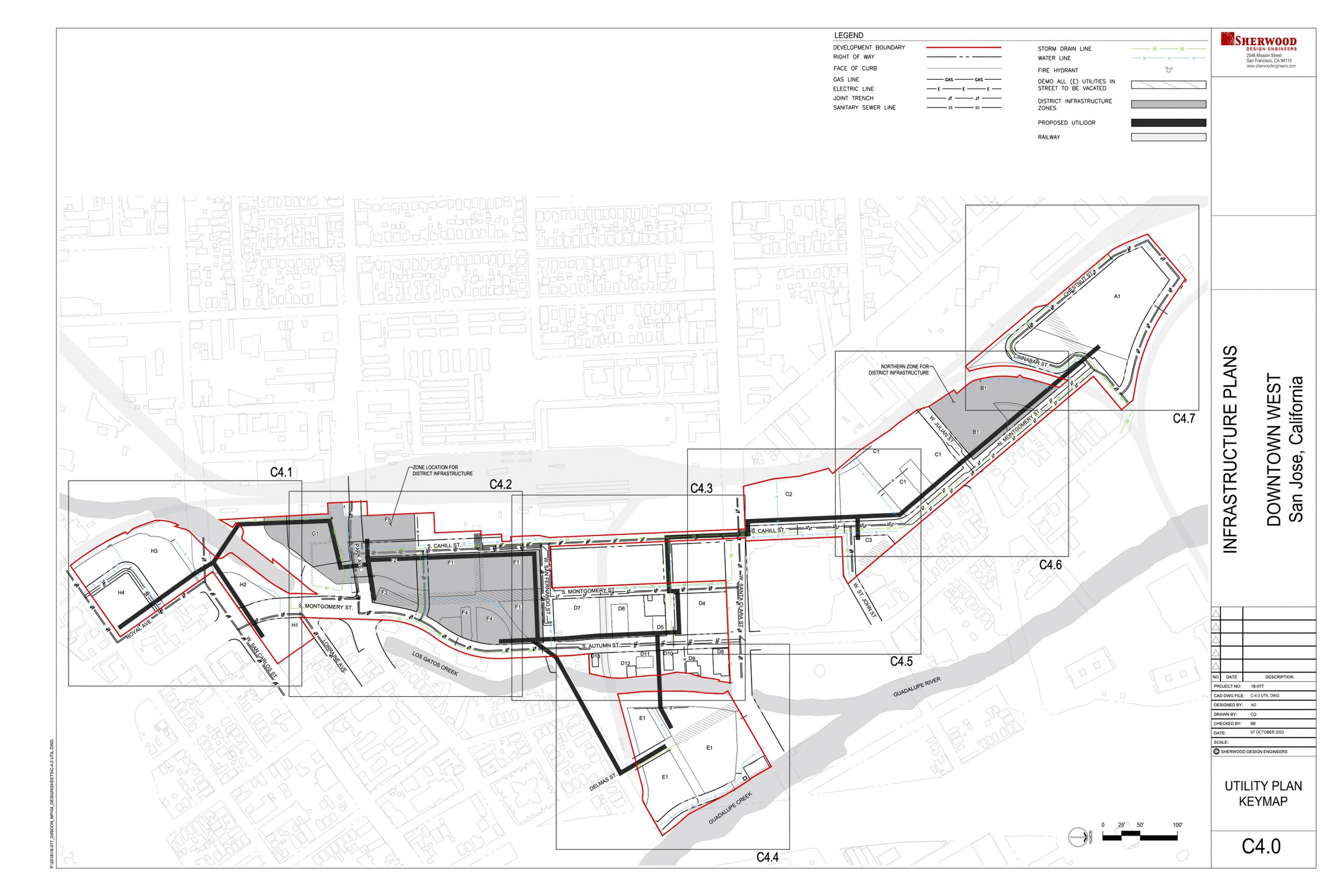


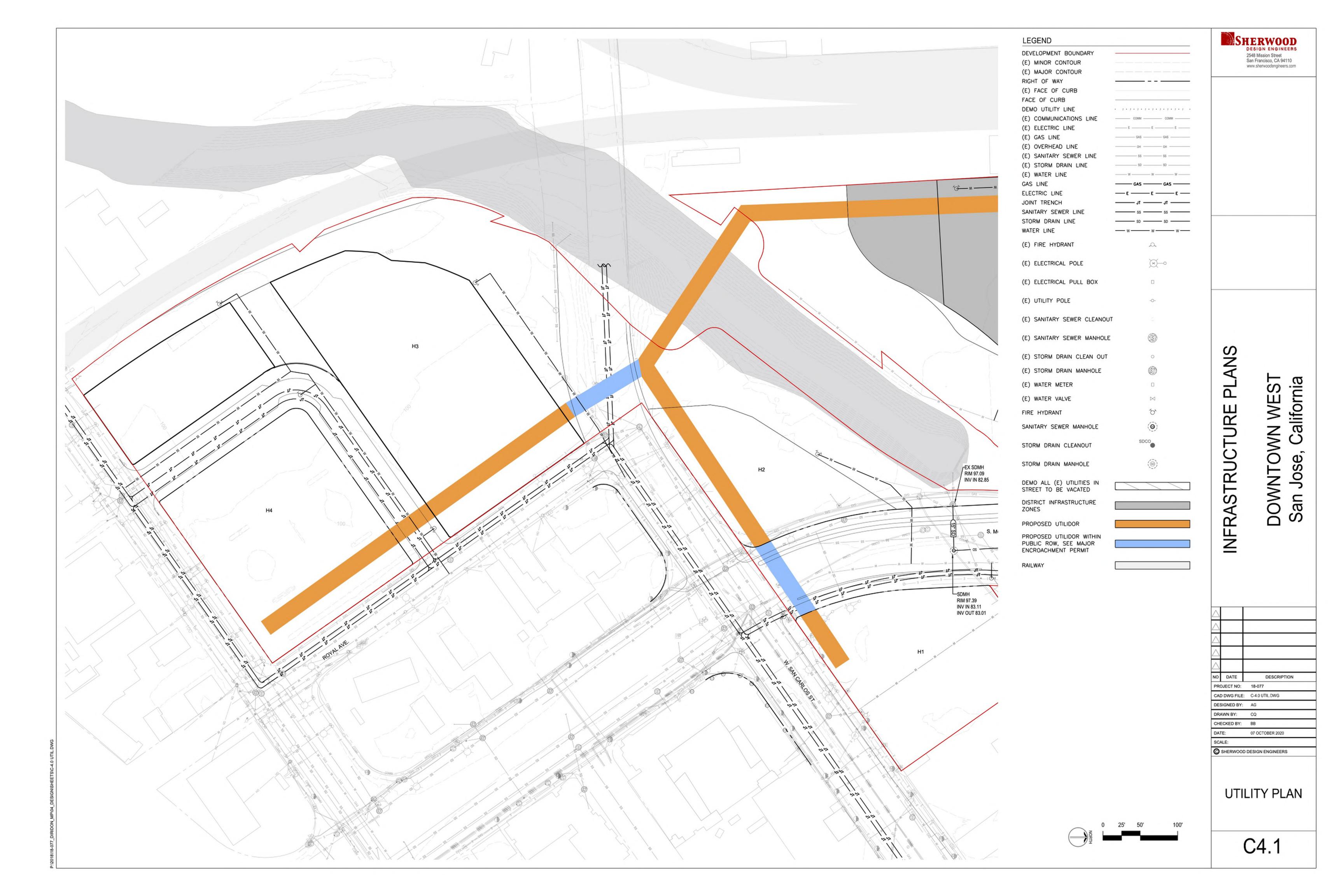


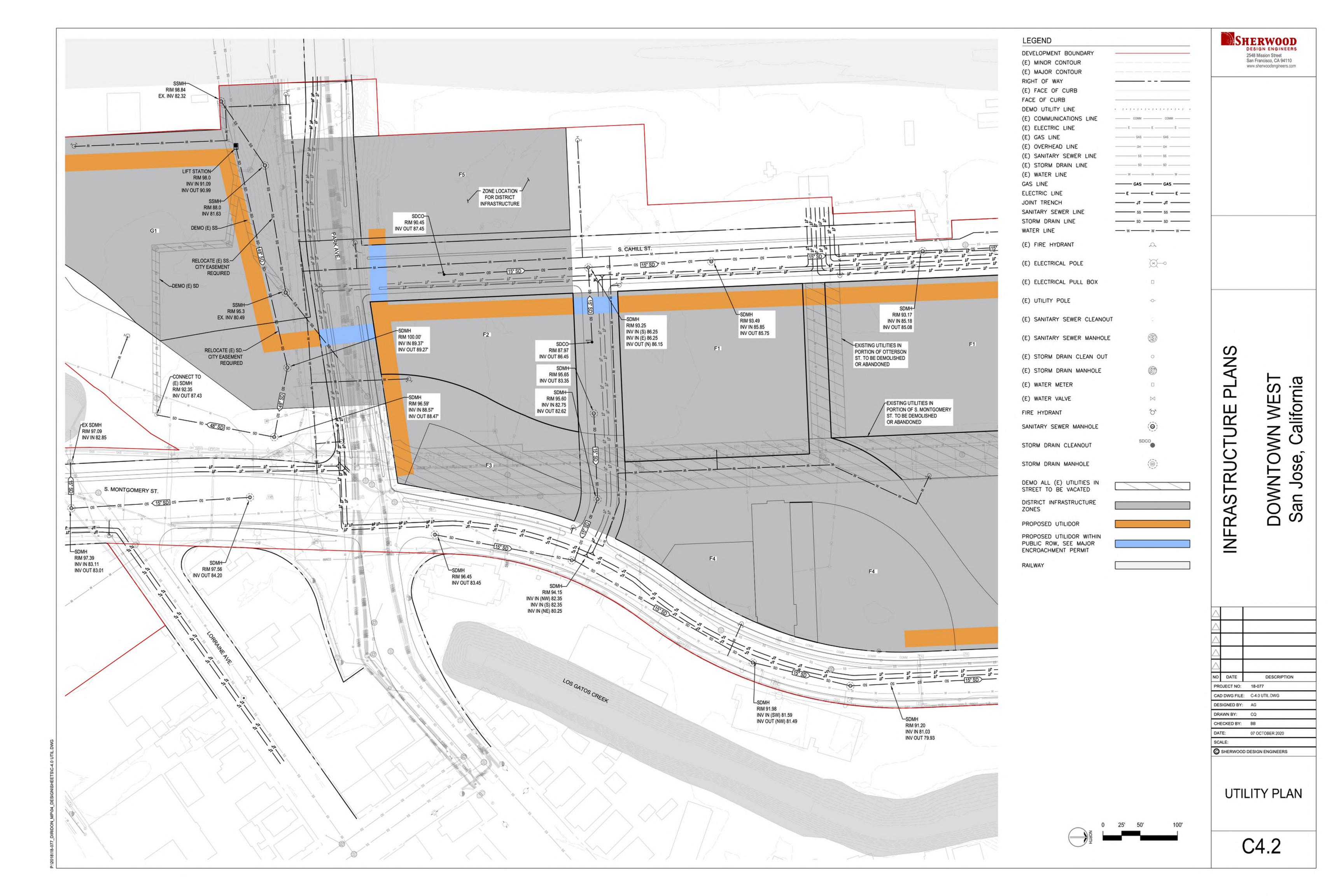


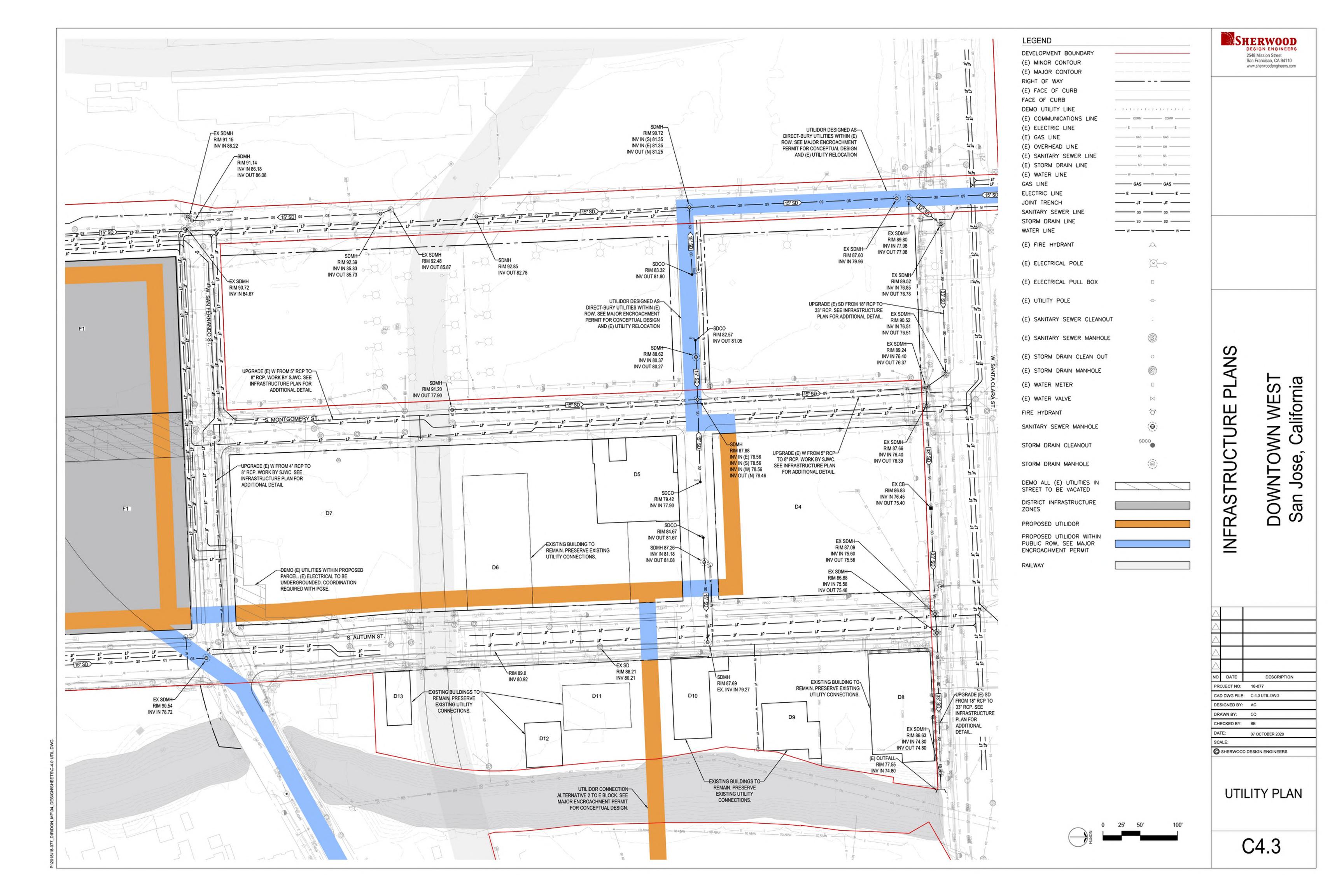


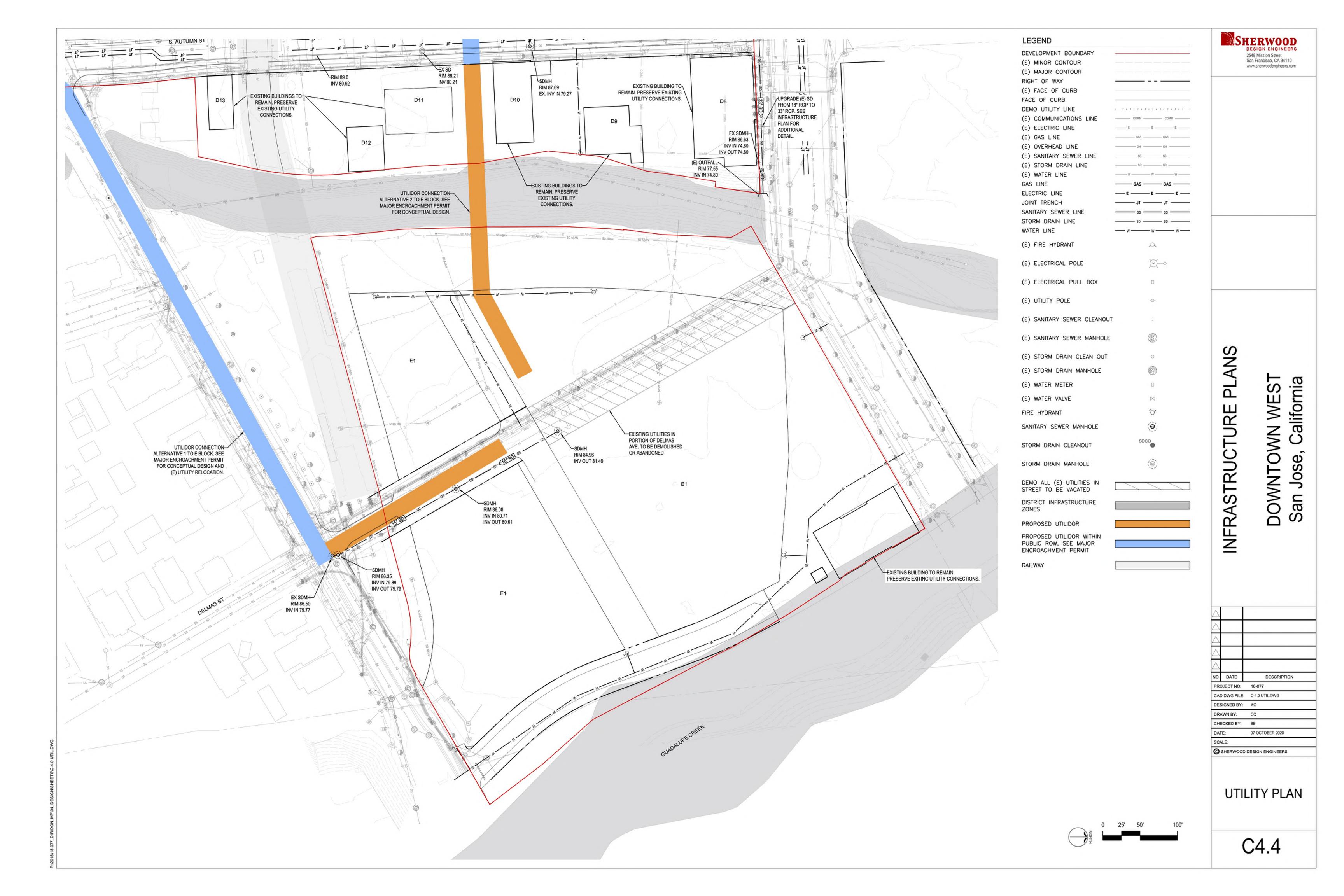


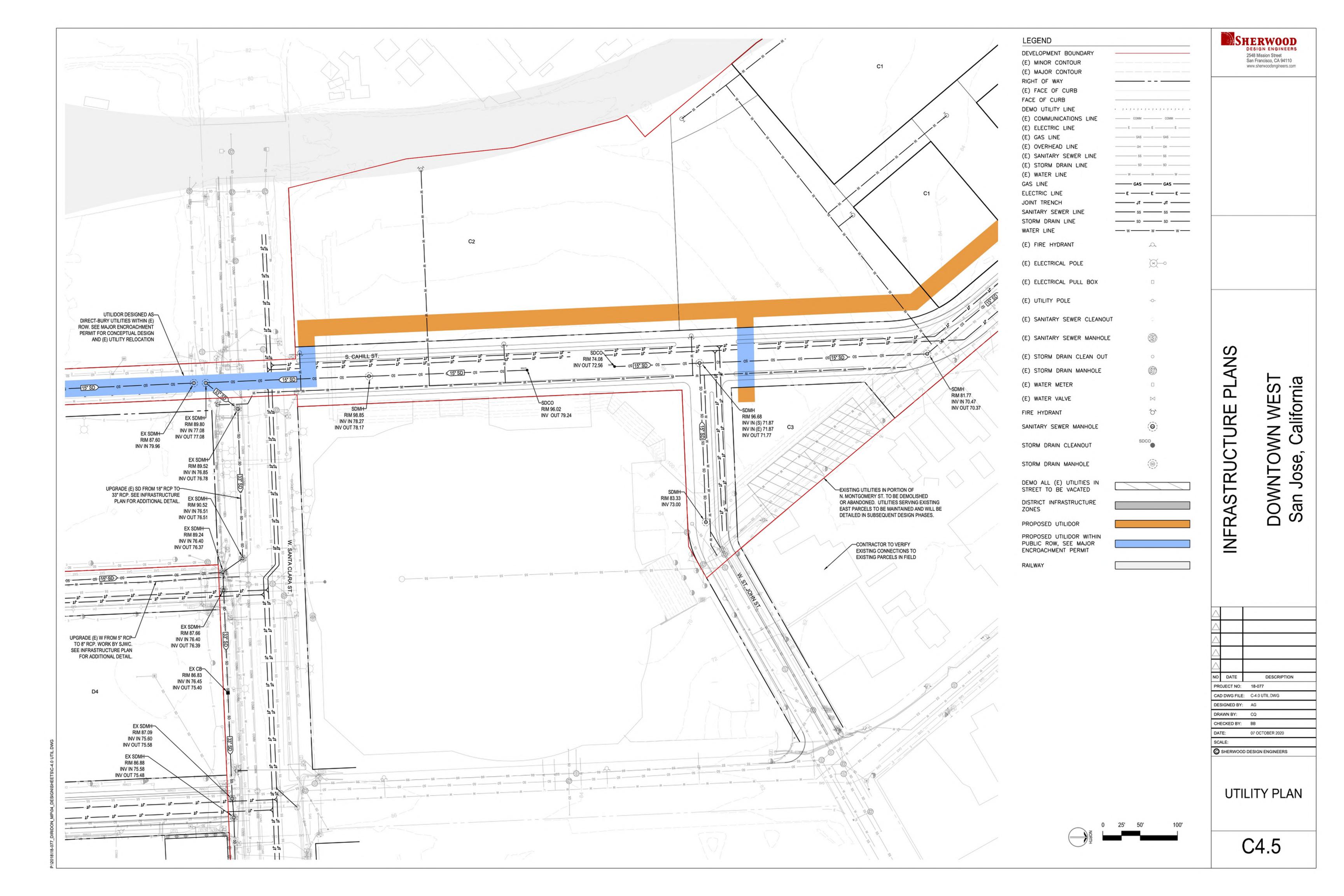


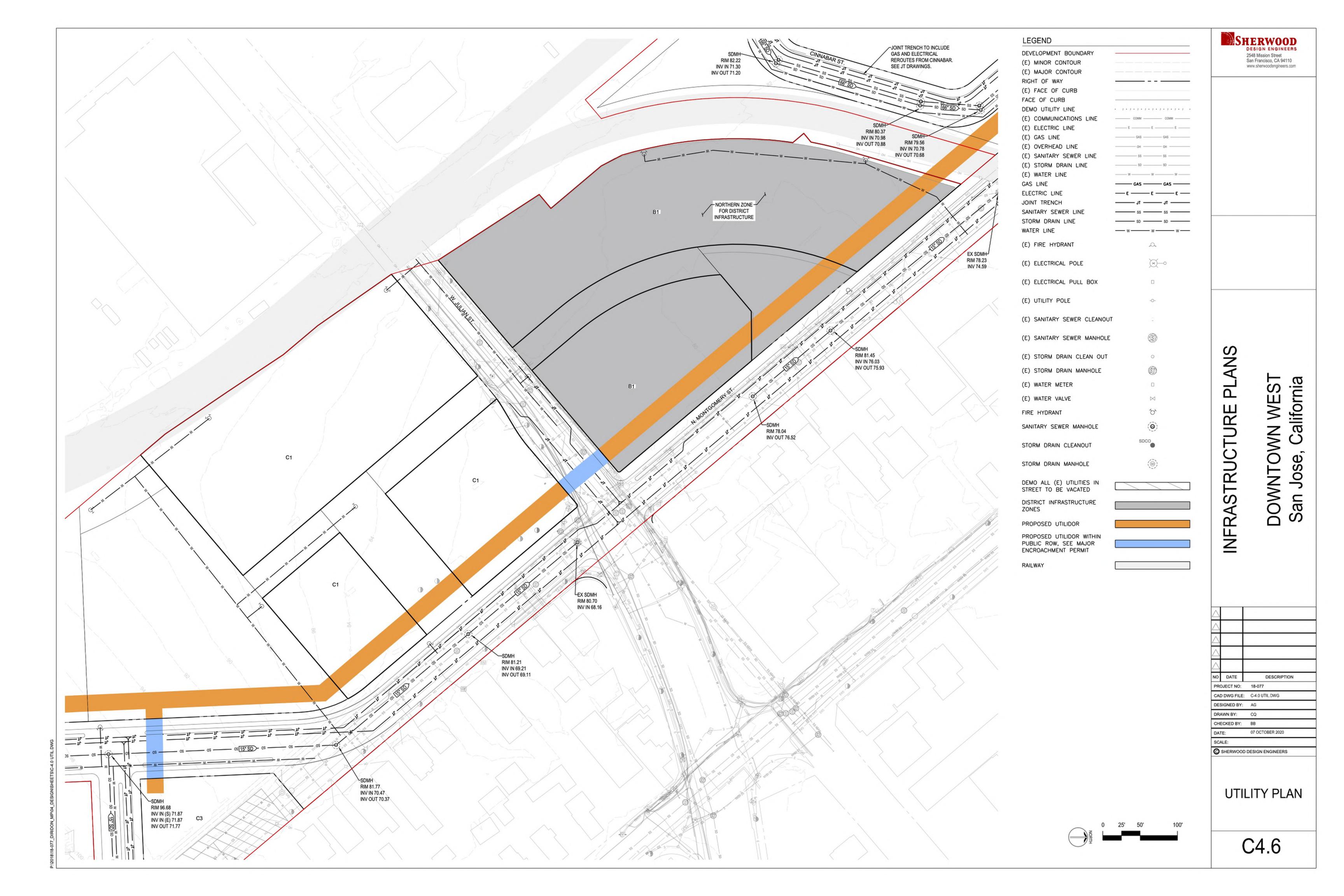


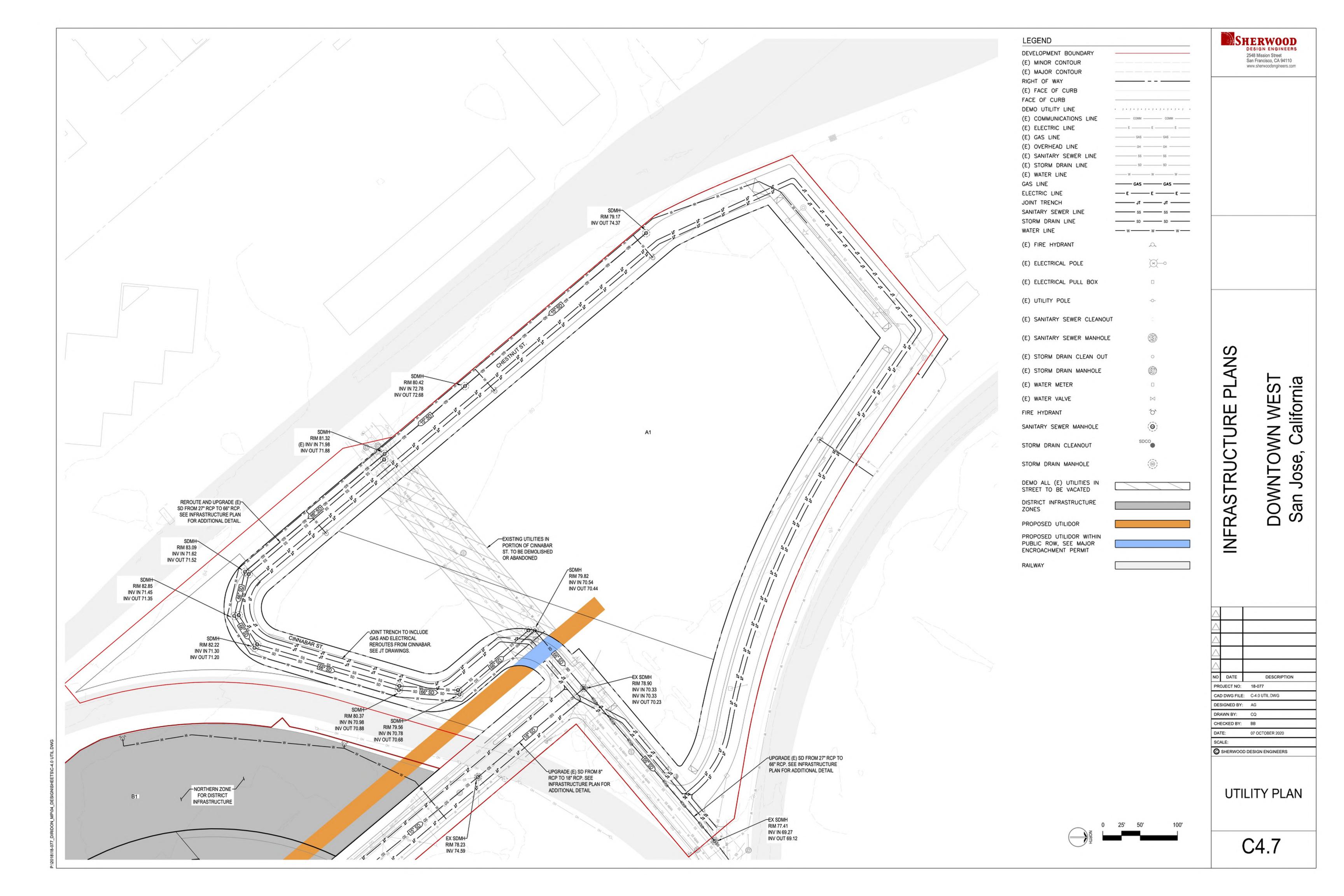














California

INFRASTRU

NO DATE PROJECT NO:

DESIGNED BY: AG DRAWN BY: CQ CHECKED BY: BB

CAD DWG FILE: C-5.0 DETAILS.DWG

SHERWOOD DESIGN ENGINEERS

07 OCTOBER 2020

DETAILS

C5.1

─1 FT THICK CONCRETE WALLS 1 FT THICK— CONCRETE WALLS —11.00**'**— -20.00' CONCEPTUAL UTILIDOR TUNNEL SECTION
SCALE: NTS

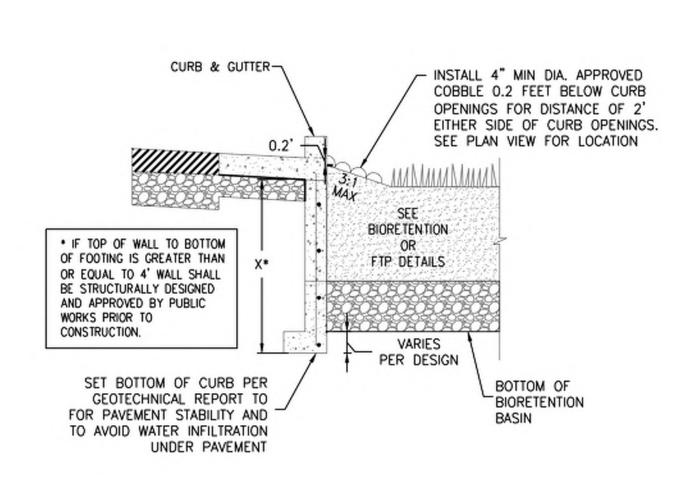
MIN 5' WHEN CROSSING BELOW ANY EXISTING UTILITIES

20" AWCS

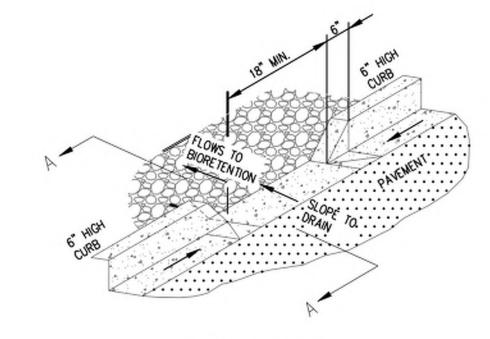
19.00'

TRAYS

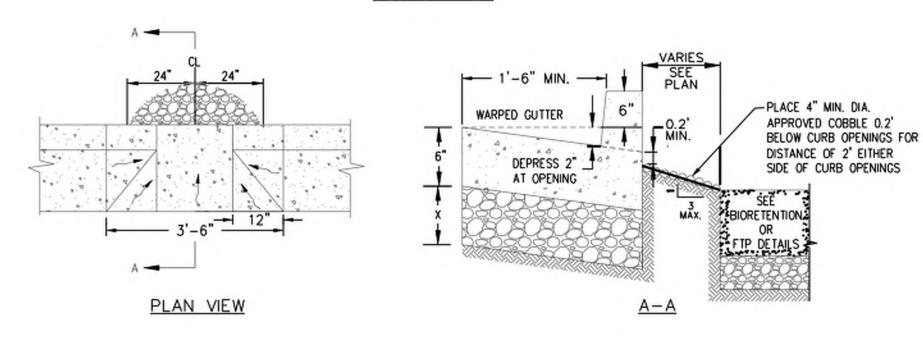
TRAYS



- WITH OPEN GRATE BIORETENTION POND INSTALL 24" WIDE APRON — OF 4" COBBLES AROUND BUBBLER RIM SEE PLAN FOR RIM ELEVATION OVERFLOW RISER VARIES, SEE TCM _ 0.1 FT W/GRATE SUMMARY TABLE 3 MAX IMPERMEABLE LINER ALONG VERTICAL EDGE PLACE GEOTEXTILE-WATER STOP. BETWEEN COBBLES & SEE CITY OF NATIVE SOIL FOR SAN JOSE EROSION CONTROL DETAIL D-19 CONTRACTOR TO DRILL CRUSHED 2 ROWS OF (2) DRAIN ROCK 2" DIA. WEEPHOLES DRAIN ROCK TO BE LINED WITH 20-MIL HDPE WATER BARRIER ALONG VERTICAL OPEN TO DRAIN EDGE WITH A 2" WRAP

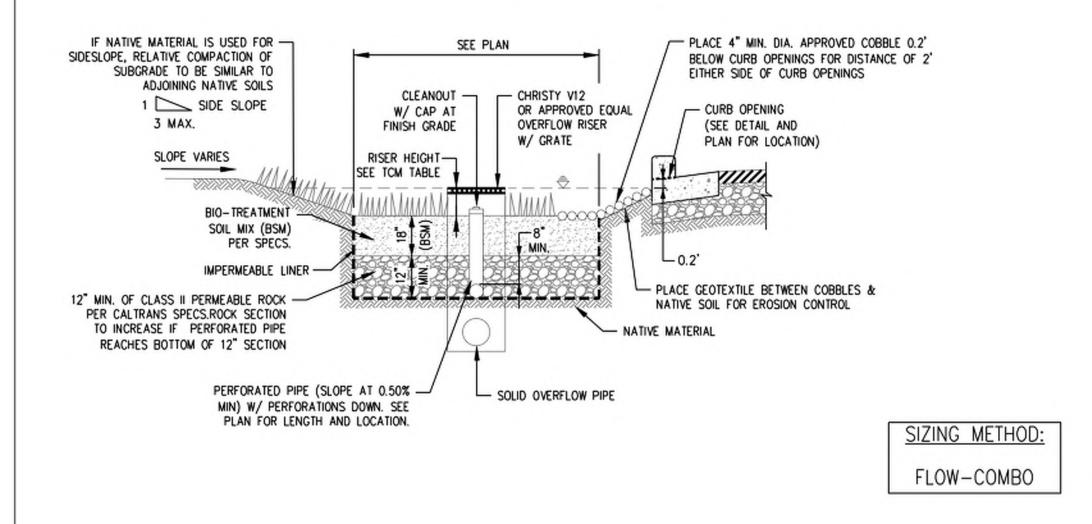


SECTION VIEW



CURB OPENING

CURB ADJACENT TO BIORETENTION



— CLEANOUT

W/ CAP AT

FINISH GRADE

DOWNSPOUT NOTE: IN THE EVENT ONLY ONE

BOX, CONTRACTOR SHALL

PROPER DISTRIBUTION OF

DOWNSPOUT IS LOCATED WITHIN

THE FLOW-THROUGH PLANTER

INSTALL A FLOW SPREADER AT

STORMWATER OVER THE ENTIRE

THE DOWNSPOUT TO ENSURE

BIORETENTION BASIN W/ LINER

RISER HEIGHT

BUILDING WALL -

OF DOWNSPOUT

PERFORATED PIPE (SLOPE AT

0.50% MIN) W/ PERFORATIONS

DOWN, SEE PLAN FOR LENGTH

AND LOCATION.

4" MIN. DIA. APPROVED COBBLE

0.2' BELOW DOWNSPOUTS FOR

DISTANCE OF 2' EITHER SIDE

WALL W/ WATERPROOF

MEMBRANE PER STRUCTURAL PLANS.

INCREASE WITH SLOPE OF PIPE.

12" MIN. OF CLASS II PERMEABLE ROCK -

PER CALTRANS SPECS. ROCK SECTION TO

SCALE: NTS

SCALE: NTS

BIO-TREATMENT

SOIL MIX (BSM)

ADJACENT

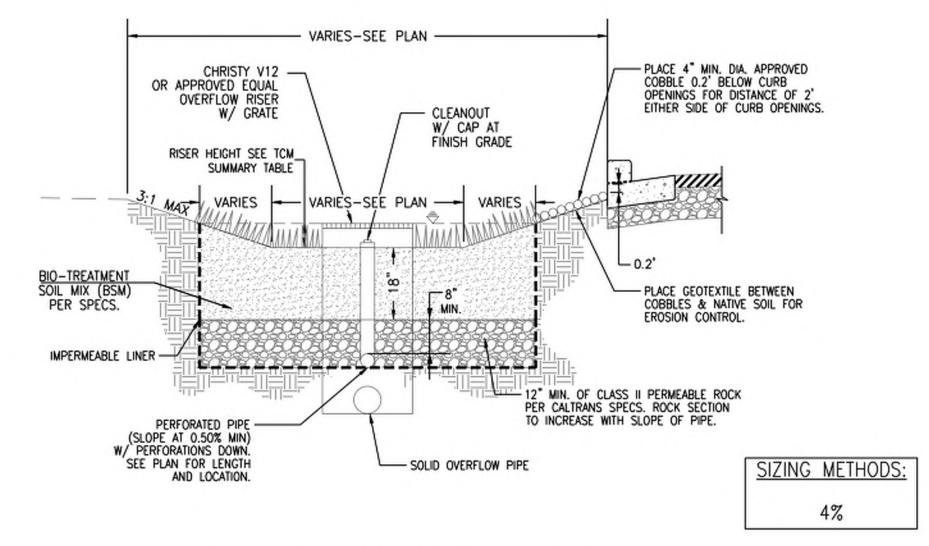
SURFACE

STORM

SIZING METHODS: FLOW-COMBO

PER SPECS.



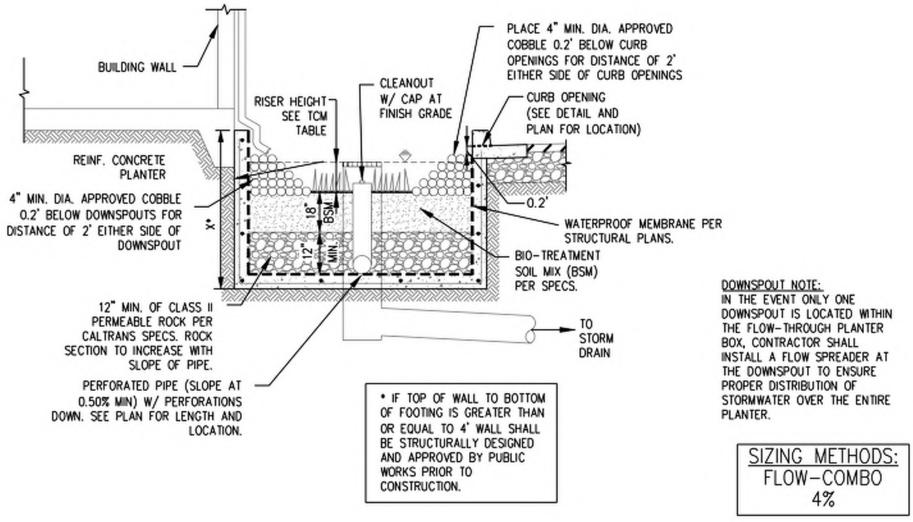


BIOTREATMENT SOIL REQUIREMENTS

SCALE: NTS

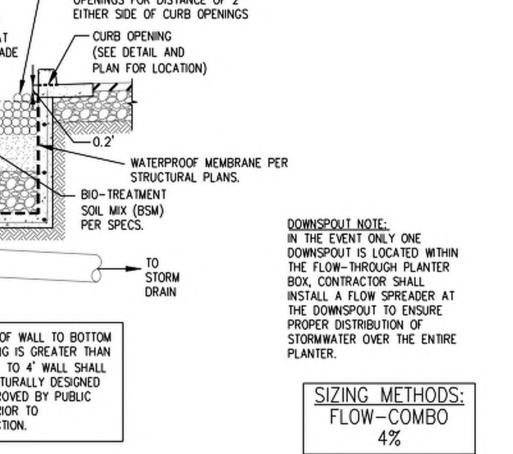
- BIORETENTION SOIL MIX SHALL MEET THE REQUIREMENTS AS OUTLINED IN APPENDIX C OF THE C.3 STORM WATER HANDBOOK AND SHALL BE A MIXTURE OF FINE SAND AND COMPOST MEASURED ON A VOLUME BASIS OF 60-70% SAND AND 30-40% COMPOST. CONTRACTOR TO REFER TO APPENDIX C FOR SAND AND COMPOST MATERIAL SPECIFICATIONS. CONTRACTOR MAY OBTAIN A COPY OF THE C3 HANDBOOK AT: HTTP://WWW.SANJOSECA.GOV/INDEX.ASPX?NID=1761
- PRIOR TO ORDERING THE BIOTREATMENT SOIL MIX OR DELIVERY TO THE PROJECT SITE, CONTRACTOR SHALL PROVIDE A BIOTREATMENT SOIL MIX SPECIFICATION CHECKLIST, COMPLETED BY THE SOIL MIX SUPPLIER AND CERTIFIED TESTING LAB.

BIORETENTION BASIN W/ LINER



FLOW-THROUGH PLANTER (BELOW GROUND)

SCALE: NTS



BIORETENTION & FLOW-THROUGH PLANTER NOTES:

- SEE GRADING PLAN FOR BASIN FOOTPRINT AND DESIGN ELEVATIONS.
- PLACE 3 INCHES OF COMPOSTED, NON-FLOATABLE MULCH IN AREAS BETWEEN STORMWATER PLANTINGS.
- SEE LANDSCAPE PLAN FOR MULCH, PLANT MATERIALS AND IRRIGATION REQUIREMENTS
- 4. CURB CUTS SHALL BE A MINIMUM 18" WIDE AND SPACED AT MAXIMUM 10' O.C. INTERVALS AND SLOPED TO DIRECT STORMWATER TO DRAIN INTO THE BASIN. CURB CUTS SHALL ALSO NOT BE PLACED INLINE WITH OVERFLOW CATCH BASIN, SEE GRADING PLAN FOR MORE DETAIL ON LOCATIONS OF CURB CUTS.
- A MINIMUM 0.2' DROP BETWEEN STORM WATER ENTRY POINT (I.E. CURB OPENING, FLUSH CURB, ETC.) AND ADJACENT LANDSCAPE FINISHED GRADE.
- DO NOT COMPACT NATIVE SOIL / SUBGRADE AT BOTTOM OF BASIN. LOOSEN SOIL TO 12" DEPTH.

SHERWOOD **DESIGN ENGINEERS** 2548 Mission Street San Francisco, CA 94110 www.sherwoodengineers.com

INFR

alifornia

OS

San

CITY OF SAN **JOSE DETAILS**

07 OCTOBER 2020

DESCRIPTION

NO DATE

SCALE:

PROJECT NO: 18-077

DESIGNED BY: AG

DRAWN BY: CQ

CHECKED BY: BB

CAD DWG FILE: C-5.0 DETAILS.DWG

C SHERWOOD DESIGN ENGINEERS

C5.2

FLOW-THROUGH PLANTER (ABOVE GROUND) SCALE: NTS

PLANTER.

PERVIOUS CONCRETE REQUIREMENTS

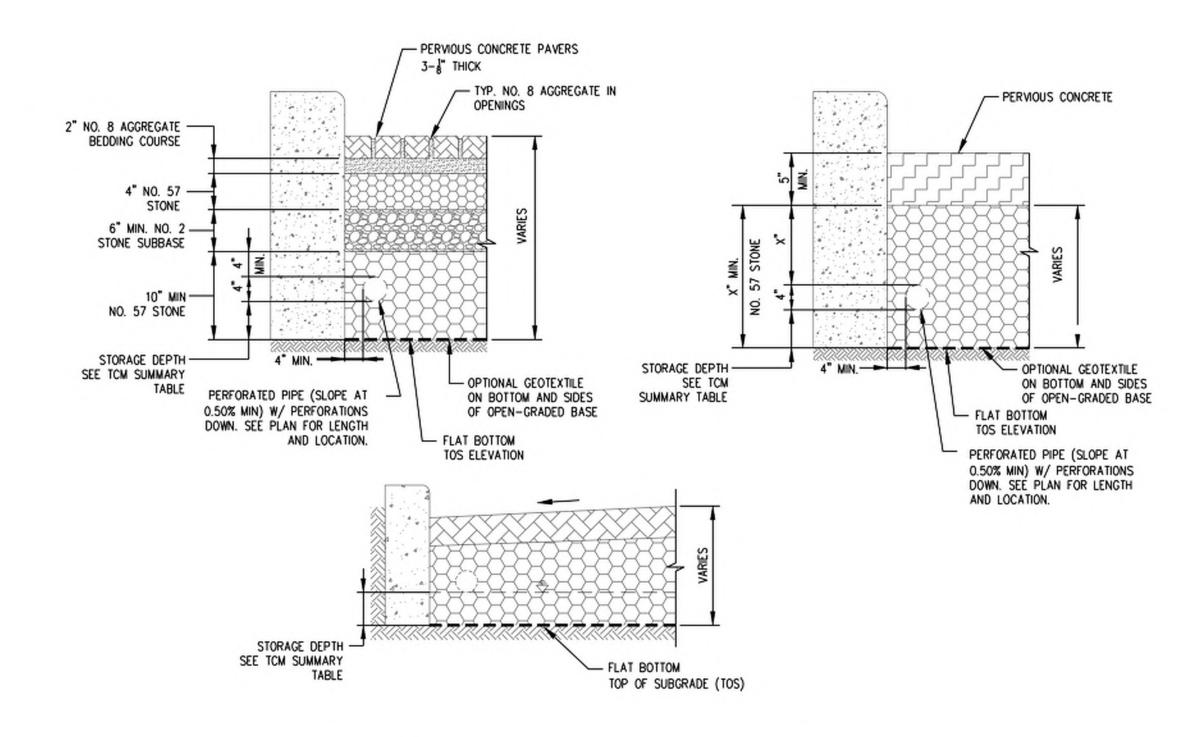
CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE CONCRETE MANUFACTURER THAT THE CONCRETE MEETS THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION FROM THE NATIONAL READY MIX CONCRETE ASSOCIATION (NRMA) SHALL INSTALL THE CONCRETE AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOB SITE AT ALL TIMES DURING CONCRETE INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.

PERVIOUS PAVER REQUIREMENTS

CONTRACTOR OR PERMITEE SHALL:

- PROVIDE CERTIFICATION FROM THE PAVER MANUFACTURER THAT THE PAVERS MEET THE REQUIREMENTS OF THE C3 STORMWATER HANDBOOK FOR PERVIOUS PAVERS. THIS INCLUDES, BUT IS NOT LIMITED TO, HAVING A MINIMUM SURFACE INFILTRATION RATE OF 100"/HR WHEN TESTED IN ACCORDANCE WITH ASTM C1701.
- ONLY CONTRACTORS HOLDING CERTIFICATION OF COMPLETION IN THE INTERLOCKING CONCRETE PAVEMENT INSTITUTES PICP INSTALLER TECHNICIAN COURSE SHALL BE USED TO INSTALL THE PAVERS AND AT LEAST ONE FOREMAN WITH THIS CERTIFICATION MUST BE ON THE JOBSITE AT ALL TIMES DURING CONCRETE PAVER INSTALLATION.
- PROTECT THE EXCAVATED AREA FOR PERVIOUS PAVERS FROM EXCESSIVE COMPACTION DUE TO CONSTRUCTION TRAFFIC AND PROTECT THE FINISHED PAVEMENT FROM CONSTRUCTION TRAFFIC.



B PERVIOUS PAVEMENT (SELF-RETAINING)
SCALE: NTS



alifornia

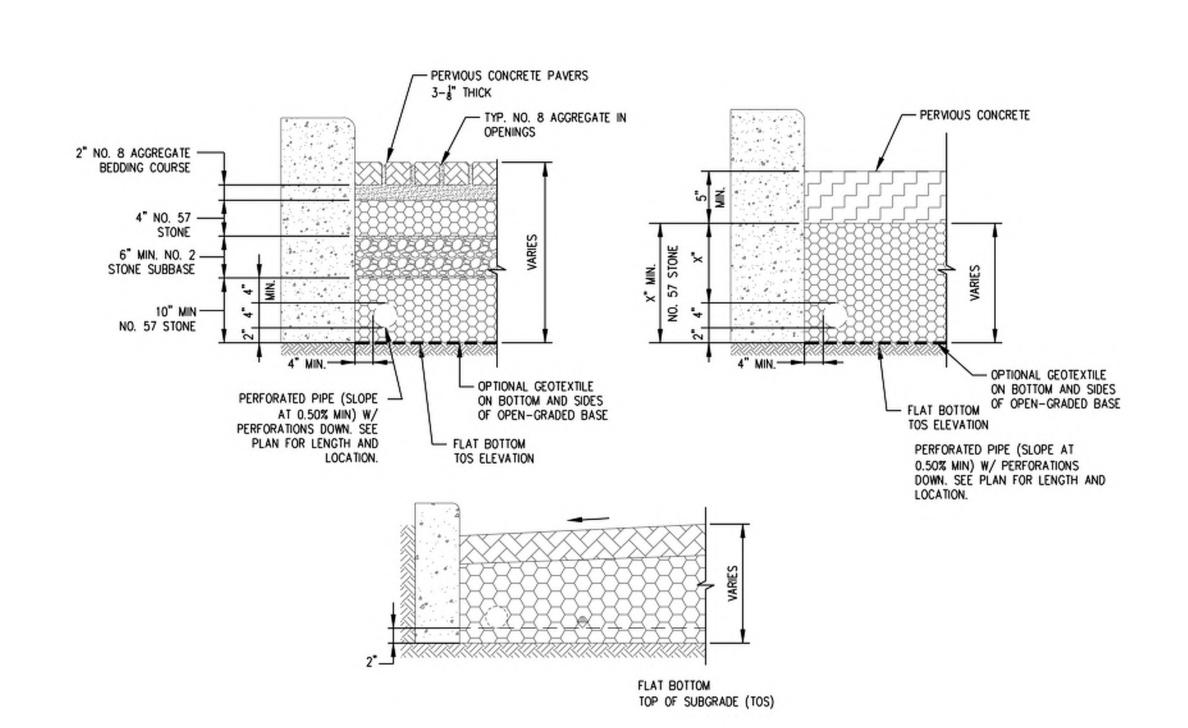
Δ			
Δ			_
Δ			
Δ			
Δ			
NO	DATE	DESCRIPTION	_
PRO	JECT NO:	18-077	
CAD	DWG FILE:	C-5.0 DETAILS.DWG	
DES	IGNED BY:	AG	
DRA	WN BY:	CQ	
CHE	CKED BY:	BB	

07 OCTOBER 2020

C SHERWOOD DESIGN ENGINEERS

CITY OF SAN **JOSE DETAILS**

C5.3

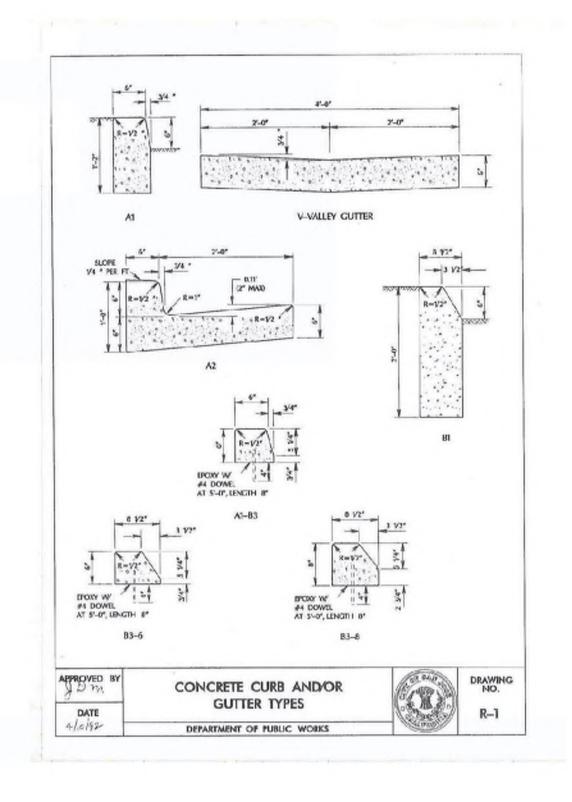


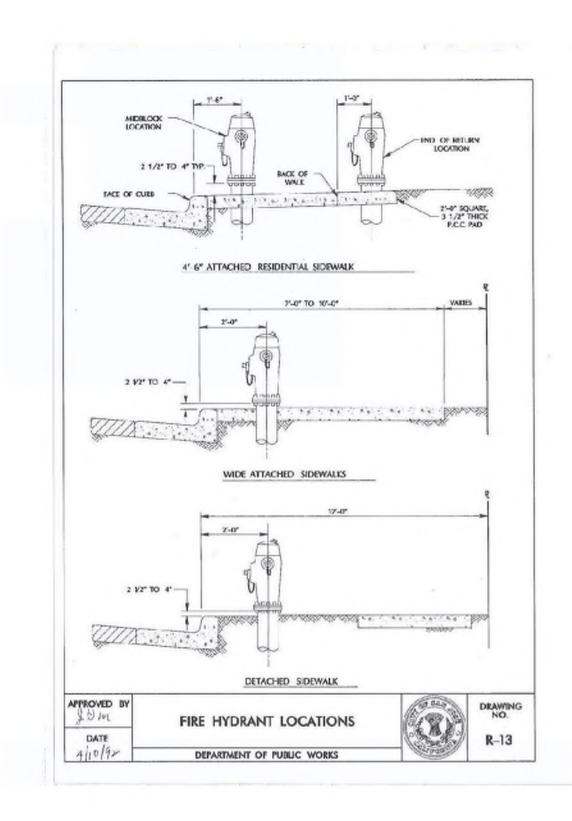
PERVIOUS PAVEMENT (SELF-TREATING)
SCALE: NTS

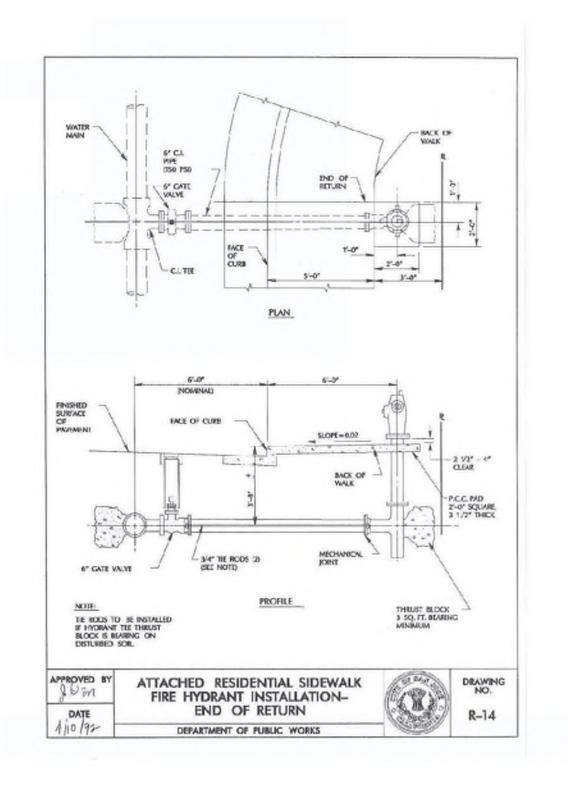


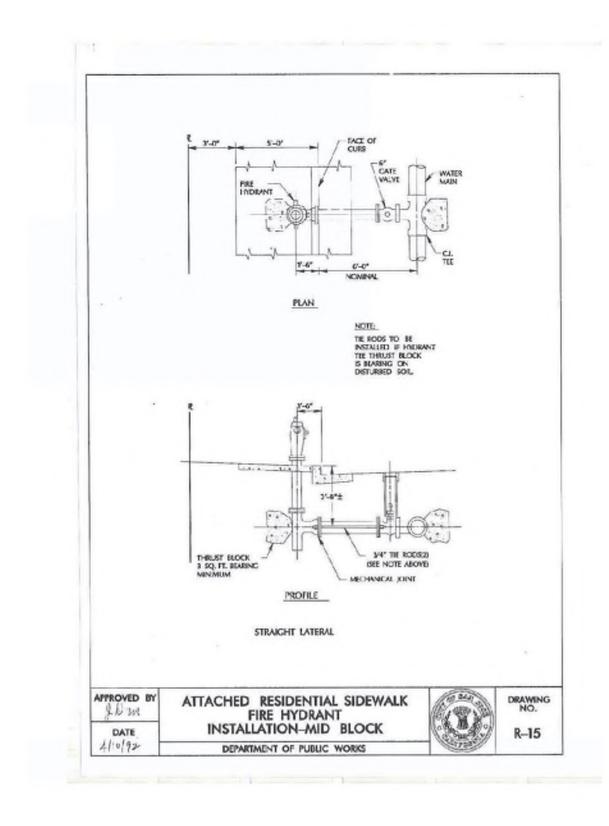
California

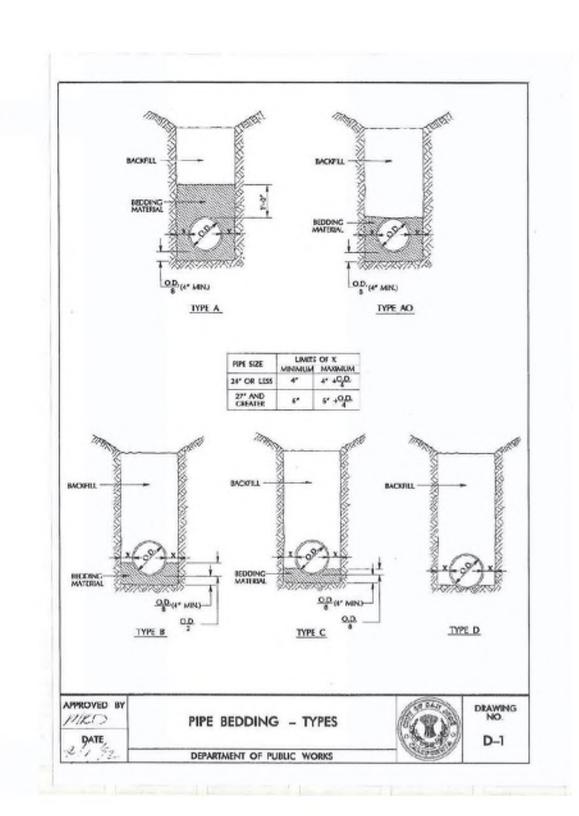
Jos

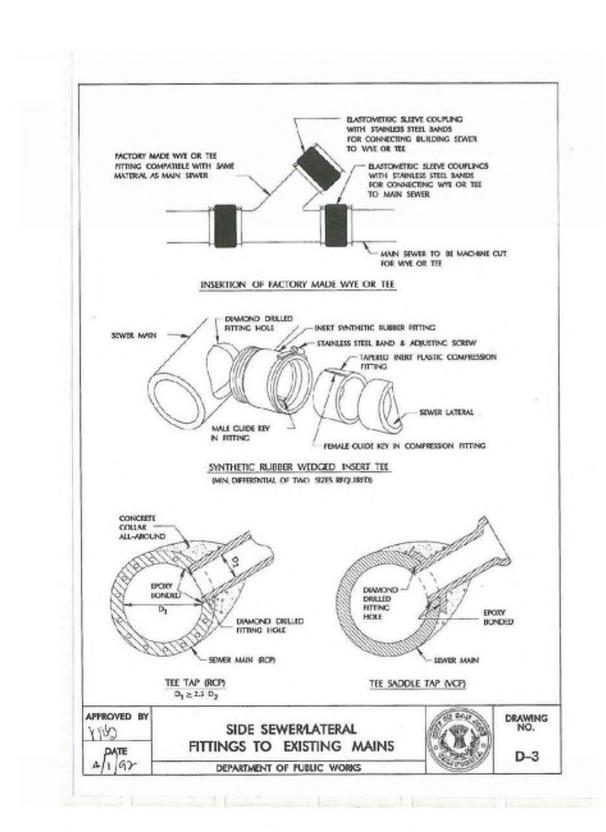


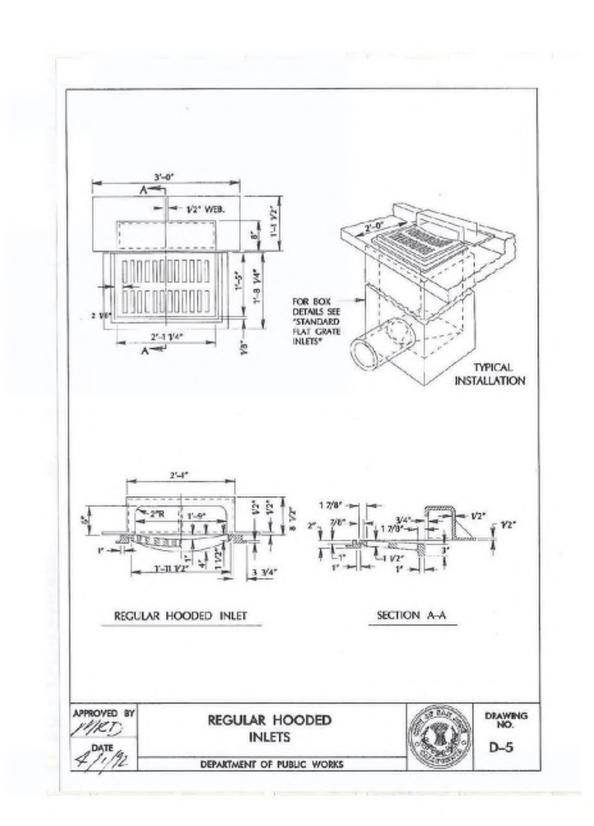


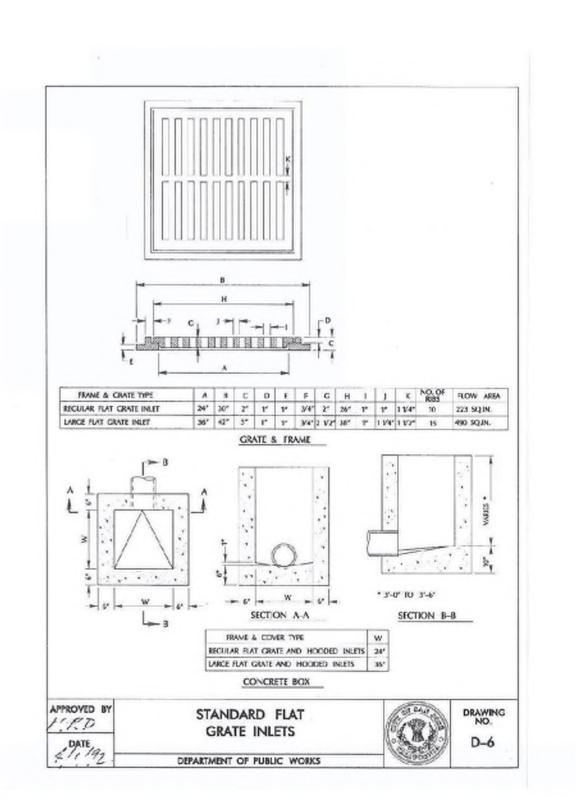










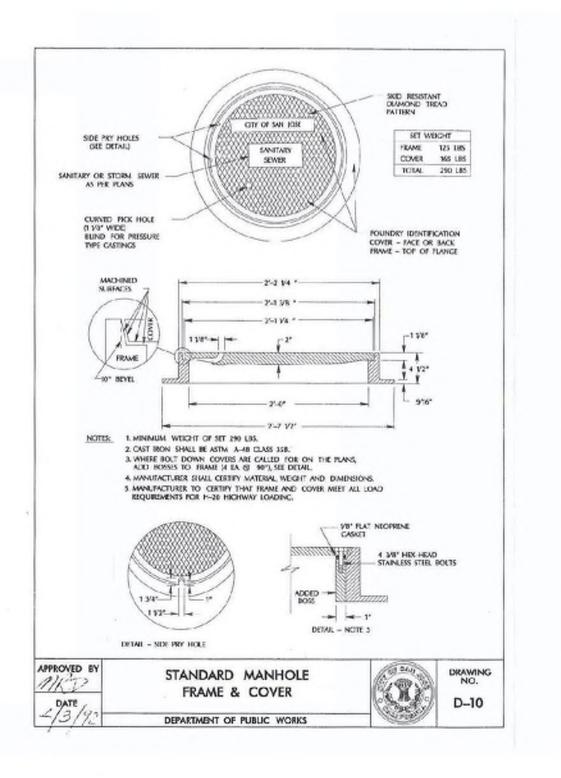


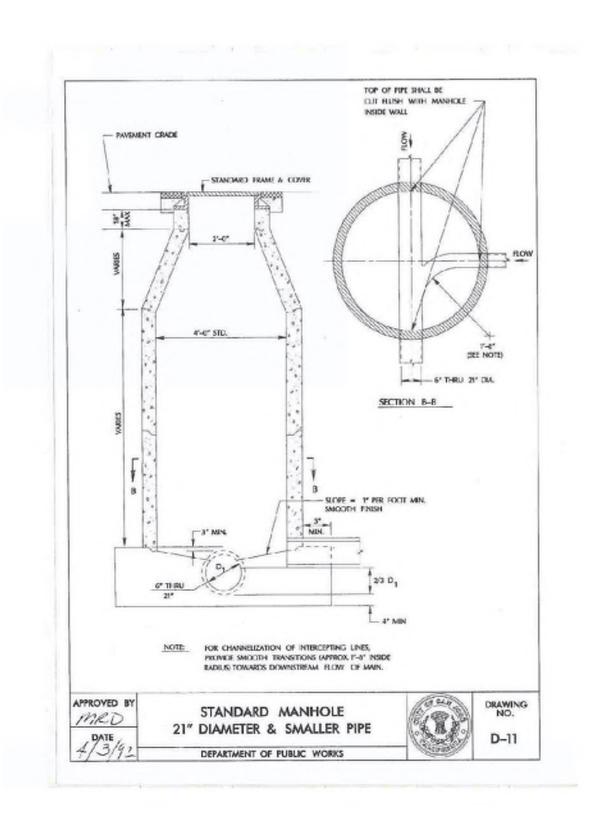
	NFRAST		S
	_		
Δ			
Δ			
Δ			
Λ			
\triangle			
NO	DATE	DES	SCRIPT
PRO	JECT NO:	18-077	
CAD	DWG FILE:	C-5.0 DETA	JLS.DV
DES	IGNED BY:	AG	
		22	
	WN BY:	CQ	
DRA	WN BY: CKED BY:	GQ BB	
DRA	CKED BY:		ER 202

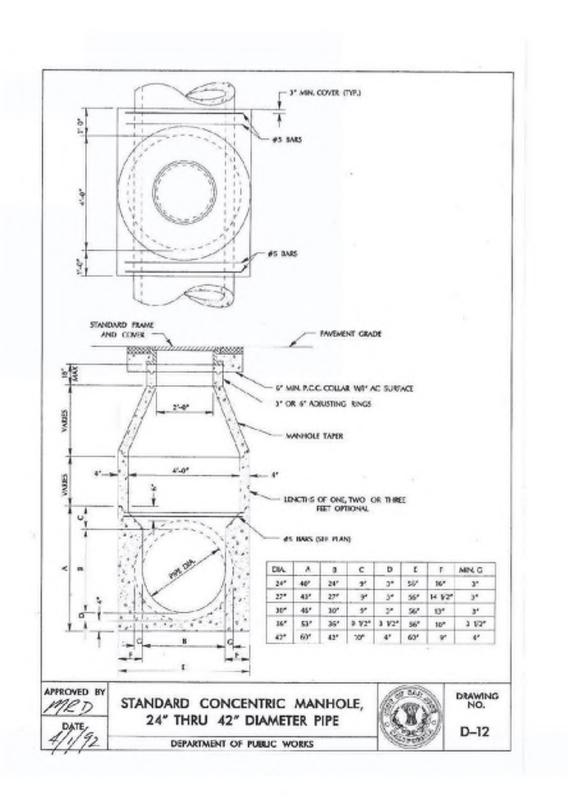
CITY OF SAN JOSE DETAILS

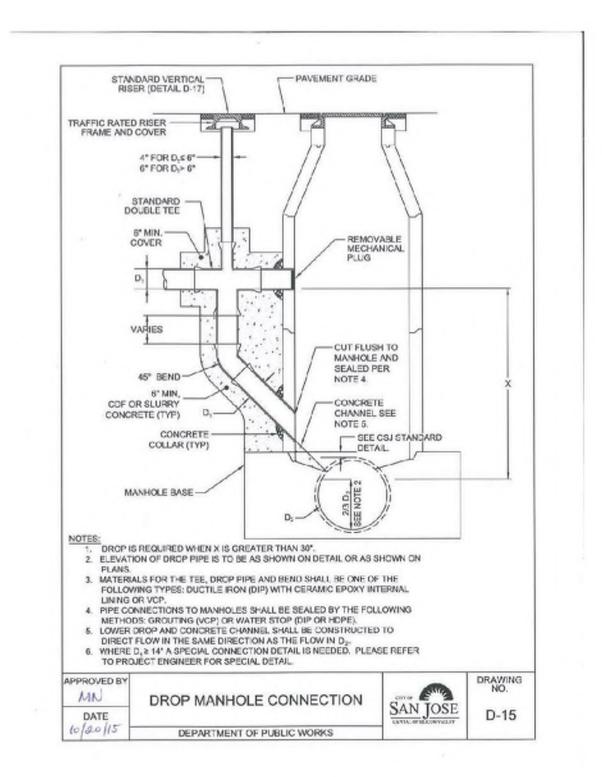
C5.4











INFRASTRUCTURE PLANS

alifornia

O DATE DESCRIPTION

PROJECT NO: 18-077

CAD DWG FILE: C-5.0 DETAILS.DWG

DESIGNED BY: AG

DRAWN BY: CQ

CHECKED BY: BB

CITY OF SAN JOSE DETAILS

07 OCTOBER 2020

C SHERWOOD DESIGN ENGINEERS

C5.5

FORM #120 09/11/2019 SUBJECT TO CHANGE CONCEPTION Stormwater Evaluation Form

Planning, Building and Code Enforcement

FILE #	

INSTRUCTIONS: At minimum, complete Sections 1.a and 2.d of this form and submit it with all Planning Permit applications.

If you answer "yes" to one or both questions below, your project must comply with Provision C.3 of the Municipal Regional Stormwater Permit (MRP) and you must complete the entire form:

- Does your project create or replace 10,000 sq. ft. or more of impervious surface on the project site?
- Does your project involve a restaurant, auto service facility, retail gasoline outlet, uncovered parking lot, or top uncovered portion of a parking structure that creates or replaces 5,000 sq. ft. or more of impervious surface on a project site?

What is an impervious surface? An impervious surface is pavement or other surface covering that prevents land from absorbing and infiltrating rainfall and stormwater. Impervious surfaces include driveways, walkways, parking lots, rooftops and any other continuous watertight covering. Pervious pavement underlain with pervious soil or material, e.g., drain rock, that infiltrates rainfall at a rate equal to or greater than surrounding unpaved areas OR that stores and infiltrates the water quality design volume specified in Provision C.3.d of the MRP, is not considered an impervious surface.

For more information and definitions, see the Stormwater Management web page at www.sanjoseca.gov/planning.

1. USES AND LOCATION

 1.a. Are any of these uses included in your project? Check all that apply. ☑ Restaurant ☐ Retail Fuel Outlet ☑ Uncovered Parking
☐ Auto Service, as categorized by the Standard Industrial Classification (SIC) Codes 5013-5014, 5541, 7532-7534, 7536-7539. Determine your SIC Codes at www.osha.gov . List the applicable SIC Code/s:
1.b. Check the watershed in which your project is located. See the Watershed Maps web page at www.sanjoseca.gov/index.aspx?nid=1868
☐ Baylands
□ Calabazas
☐ Coyote (including Lower Penitencia)
☑ Guadalupe
□ San Tomas
1.c. Special Project Status Use the online Special Project Worksheet at www.sanjoseca.gov/index.aspx?NID=1761 to determine if your project qualifies as a Special Project. Does your project qualify?
☐ Yes Attach the Special Project Worksheet and Narrative to this application. ☐ No
Note: See the <u>Special Projects Worksheet</u> for requirements.

continued>

2. AREA DATA

2.a. Enter the Project Phase Number (1, 2, 3, etc. or N/A if Not Applicable):			N/A
2.b. Total area of site:	79.26	acres	
2.c Total area of site that will be disturbed:	79.26	acres	

	Due Duete :	Francisco en 1 A	Fortastin - 14	N1 1 C	T-4-LD :
2.d. IMPERVIOUS AREAS - IA	Pre-Project Existing IA (sq. ft.)	Existing IA Retained As-Is ¹ (sq. ft.)	Existing IA Replaced with IA ² (sq. ft.)	New IA Created ² (sq. ft.)	Total Post Project IA (sq. ft.)
Site Totals					
Total IA	d.1. 2,539,289	d.2. 0	d.3. 2,398,730	d.4. 0	d.5. (d.2+d.3+d.4) 2,398,730
Total New and Replaced IA			d.6 (d.3+d.4) 2,398,730		
Public Street Totals					
Total Public Streets IA ³	d.8 806,788	d.9 0	d.10 698,049	d.11 0	d.12 (d.9+d.10+d.11 698,049
Total New and Replaced Public Streets IA			d.13 (d.10+d.11) 698,049		
Total Site and Public Streets IA	d.14 (d.1.+d.8) 3,346,077				d.15 (d.5+d.12) 3,096,779
Percent Replacement of IA in Redevelop	ment Projects (d.	3÷d.1) x 100:			d.16 94.5
2.e. PERVIOUS AREAS - PA	Pre-Project Existing PA (sq. ft.)				Total Post Project PA (sq. ft.)
Total PA ⁴	e.1. 106,441				e.2 355,739
2.f. Total Area (IA + PA)	f.1. (d.14 + e.1) 3,452,518				f.2. (d.15 + e.2) 3,452,518

FOOTNOTES

- 1. "Retained" in box 2.d.2 means to leave existing IA in place. An IA that goes through maintenance (e.g., pavement resurfacing/slurry seal/grind), but no change in grade is considered "retained."
- 2. The "replaced" and "new" IA in boxes 2.d.3. and 2.d. 4 are based on the total area of the site and not specific locations on site. For example, impervious parking created over a pervious area is not "new" IA if an equal amount of pervious area replaces IA somewhere else on the site. Constructed IA on a site that does not exceed the Total Pre-Project IA in box 2.d.1. will be considered "replaced" IA.

 A site will have "new" IA only if the Total Post-Project IA in box 2.d.5. exceeds the Total Pre-Project IA (2.d.5 2.d.1 = 2.d.4).
- 3. These areas are locations of the public street that are being dedicated (sidewalk or street easement) to the City of San José.
- 4. Include bioretention areas, infiltration areas, green roofs, and pervious pavement in PA calculations.

3. APPLICABILITY OF PROVISION C.3

3.a.	Is 2.c. equal to 1 acre or more? ✓ Yes. Applicant must obtain coverage under the State Construction General Permit. □ No. Applicant does not need coverage under the State Construction General Permit.
3.b.	Is box 2.d.6 equal to 10,000 sq. ft. or more for any type of project, or 5,000 sq. ft. or more for restaurants, auto service facilities, retail gas outlets, and uncovered parking? ☑ Yes. Site Design, Source Control, and Treatment System requirements will all apply to the project area. ☐ No. Site Design and Source Control requirements may apply; check with local agency.
3.c.	Is box 2.d.16 equal to or greater than 50%? ☑ Yes. Site Design, Source Control, and Treatment System requirements all apply to the entire site. □ No. Site Design, Source Control, and Treatment System requirements only apply to the area of site that is disturbed.

continued>

3.d. Indicate the Provision C.3 measures to be applied to your project. Check all that apply:

SITE DESIGN MEASURES	SOURCE CONTROL MEASURES	TREATMENT SYSTEMS
PROTECTION MEASURES	☑ Beneficial landscaping ⁴	NONE
Protect existing trees, vegetation,	\square Use water efficient irrigation systems.	Impervious surfaces drain to one or
and soil. Protect riparian and wetland areas/	☐ Good housekeeping, e.g., sweep pavement and clean catch basin.	more self-retaining areas that are sized per the design criteria listed in the C.3 Stormwater Handbook.
buffers (Riparian setbackft.) ¹	☐ Label storm drains.	LID TREATMENT
Preserve open space and natural drainage patterns:	☑ Connect to the sanitary sewer: ³	☐ Rainwater harvest and use (e.g.,
sq. ft.	Covered trash/recycling enclosuresInterior parking structures	cistern or rain barrel sized for C.3.d treatment)
Rainwater harvesting and use (e.g., rain barrel, cistern connected to roof	O Wash area/racks	☐ Infiltration well/dry well
drains) ²	O Pools, spas, fountains	☐ Infiltration trench
LANDSCAPE DESIGN MEASURES	Covered loading docks and maintenance bays	☐ Subsurface Infiltration System (e.g.
☑ Direct runoff from roofs, sidewalks,		vault or large diameter pipe over drain rock)
patios to landscaped areas.	☐ Fueling areas must (all required):	,
☑ Plant trees adjacent to and in parking areas and adjacent to other	 Be graded to prevent ponding. 	BIOTREATMENT ☑ Bioretention area
impervious areas.	- Use a concrete surface.	
DESIGN MEASURES TO MINIMIZE	 Be separated from the site by a grade break to prevent run-on. 	☐ Transmitt filter on the city
IMPERVIOUS SURFACE AREA	 Have a canopy cover extending at 	☐ Tree well filter or trench with bioretention soils ⁵
☑ Reduce existing impervious surfaces.	least 10 feet from each pump.	☐ Other:
☑ Cluster structures/pavement.	☐ Industrial, outdoor material storage, and recycling facilities must (all	
☐ Create new pervious areas:	required):	OTHER TREATMENT METHODS
Landscaping	 Stockpile material on an impervious 	SPECIAL PROJECTS ONLY ⁶
O Parking stalls	surface or under a permanent roof	☐ Proprietary tree box filter
Walkways and patios	or covering.	☐ Media filter (sand, compost, or
 Emergency vehicle access Private streets and sidewalks	 Direct ponded water to the sanitary sewer,² an on-site treatment 	proprietary media)
☑ Install a Green Roof on all or a	system, or off-site disposal.	MULTI-STEP PROCESS ONLY ⁷
portion of the roof.	- Install berms or curbs to prevent	☐ Vegetated filter strip
✓ Parking:	runoff from the storage/processing areas.	☐ Extended Detention Basin
On top of or under buildings	 Segregate pollutant-generating 	☐ Vegetated Swale
Not provided in excess of Code	activities into a distinct drainage	
☐ Other:	management area and provide treatment.	
	Other:	

FOOTNOTES

- 1. Per Council Policy 6-34, setback is measured from the outside dripline of the Riparian Corridor vegetation or top-of-bank, whichever is greater.
- 2 As a site design measure, it does not have to be sized to comply with Provision C.3.d treatment requirements.
- 3 Subject to the requirements of the sanitary sewer authority.
- 4 Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, and minimizes the use of pesticides and fertilizers.
- 5 Bioretention soils shall infiltrate runoff at a minimum of 5 inches per hour during the life of the facility and sustain healthy, vigorous plant growth.
- 6 These treatment measures are only allowed if the project qualifies as a Special Project.
- 7 These treatment measures are only allowed as part of a multi-step treatment process (i.e. pretreatment).

continued>

4. TREATMENT SYSTEM SIZING FOR PROJECTS WITH TREATMENT REQUIREMENTS

For each treatment system component, indicate the hydraulic sizing criteria used and provide the calculated design flow or volume to be treated:

Treatment System Component	Hydraulic Sizing Criteria Enter numbers from Table below	Design Flow or Volume cfs or cu.ft.
Bioretentiion	2c - Simplified Method	

CODING TABLE FOR HYDRAULIC SIZING CRITERIA Enter the appropriate number in the above column 1a: Volume – WEF Method 1b: Volume – CASQA BMP Handbook Method 2b: Flow – CASQA BMP Handbook Method 2c: Flow – Uniform Intensity Method 2c: Flow – Uniform Intensity Method

5. HYDROMODIFICATION MANAGEMENT (HM) APPLICABILITY

· ·
5.a. Does the project create and/or replace one acre or more of impervious surface AND create an increase in total impervious surface from the pre-project condition (from page 2, is 2d.5 > 2d.1 AND 2d.6 is ≥ one acre)?
☐ Yes. Continue to Question 5.b.
☑ No. Project is exempt from Hydromodification Management.
5.b. Is the project located in the green "Subwatersheds less than 65% Impervious" area on the <u>HM Applicability Map</u> ?
☐ Yes. Project must implement HM requirements. Continue to Question 5.c.
☑ No. Project is exempt from Hydromodification Management.
5.c. If Yes to 5.b, select the specific flow duration controls for Hydromodification Management.
Check all that apply:
☐ Extended Detention Basin
☐ Underground tank or vault
☐ Bioretention with outlet control
□ Other:

6. OPERATION & MAINTENANCE (O&M) CONTACT INFORMATION

Please enter the contact information of the Responsible Party for Stormwater Treatment/Hydromodification Control O&M:

NAME	MAILING ADDRESS	EMAIL/PHONE
RESPONSIBLE PARTY IN CHARGE OF O&M	STREET:	EMAIL:
NAME:	CITY: ZIP:	PHONE:
FIRM NAME IF ANY:		

7. FORM COMPLETED BY

Alyson Goulden	9/15/2020
PRINT NAME	DATE

SUPPLY & INSTAL

PG&E ELECTRIC SWITCHES

ELECTRIC BOXES

0000

SUPPLY & INSTALL 0000 TELEPHONE CONDUIT SUPPLY & INSTALL 0000 <u>TELEPHONE CABLE</u> SUPPLY & INSTAL 0000 TELEPHONE SPLICE BOXES SUPPLY & INSTALL

EXCAVATION. TELEPHONE S.A.I. PADS SUPPLY & INSTALL EXCAVATION. C.A.T.V. CONDUIT SUPPLY & INSTAL C.A.T.V. SPLICE BOXES SUPPLY & INSTALL.

EXCAVATION. C.L.E.C. FIBER CONDUIT ____ ACCEPTED ____ DECLINED SUPPLY & INSTALL. ..0000 C.L.E.C. FIBER SPLICE BOXES ___ACCEPTED ___DECLINED SUPPLY & INSTALL.....

WORK TO BE PERFORMED BY THE RESPECTIVE CONTRACTOR & UTILITY COMPANIES ASSUME CONTRACTOR RESPONSIBILITY UNLESS OTHERWISE SPECIFIED

O NOT APPLICABLE UNLESS OTHERWISE SPECIFIED

* PG&E TO PULL CABLE INTO ENERGIZED ENCLOSURES

EXCAVATION.

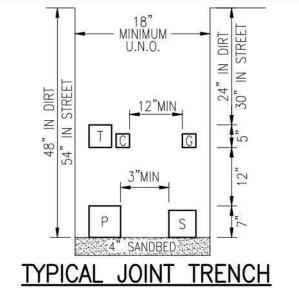
NOTE: FOR A MORE DETAILED WORK RESPONSIBILITY BREAKDOWN, SEE CORRESPONDING MATERIAL LIS'

THESE PLANS WERE PREPARED IN CONJUNCTION WITH THE FOLLOWING PLANS:

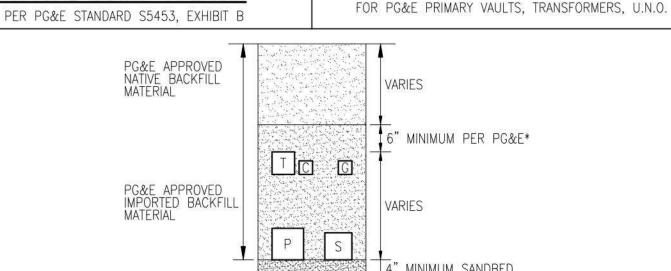
CIVIL IMPROVEMENT PLANS/GRADING PLANS	08-10-2020	PRELIMINAR
ARCHITECTURAL ELECTRONIC FILE		
APPLICANT DESIGN (GAS)		
APPLICANT DESIGN (ELECTRIC)		
TELEPHONE		
C.A.T.V.		
LANDSCAPE		
LIGHT LOCATIONS		
TRAFFIC SIGNAL LOCATIONS		

RADIUS DESIGN is not responsible for any subsequent changes or revisions.

OTHER UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY AND AVAILABLE UTILITY INFORMATION. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE ACTUAL LOCATION AND EXTENT OF UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PHYSICAL VERIFICATION OF UTILITY LOCATIONS SHALL BE PERFORMED BY CAREFUL PROBING OR HAND DIGGING IN ACCORDANCE WITH ARTICLE 6 OF THE CAL/OSHA CONSTRUCTION SAFETY ORDERS.

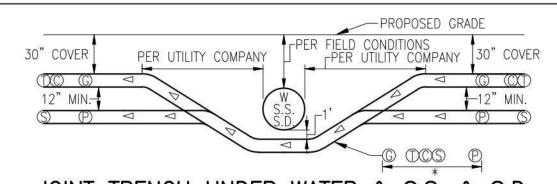


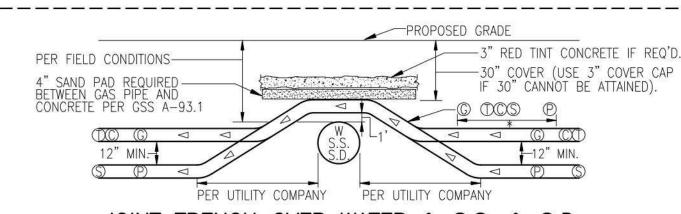
ANY ABOVE GROUND STRUCTURE ---6" MIN.\12" MAX.-MINIMUM MINIMUM EXCAVATION -(ALL AROUND VAULT) 88 6" MINIMUM COMPACTED— DRAIN ROCK TYPICAL EXCAVATION



MINIMUM BACKFILL REQUIREMENTS

*CHECK WITH LOCAL GOVERNING AGENCIES FOR POSSIBLE VARIATIONS

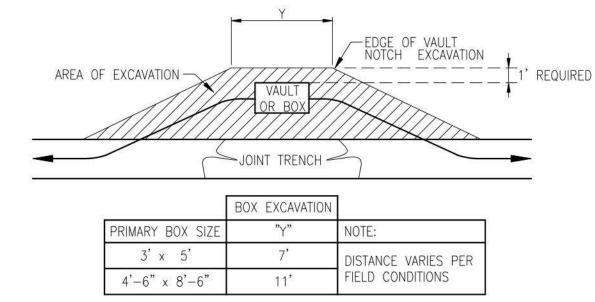




JOINT TRENCH OVER WATER & S.S. & S.D. *WIDTH PER SIZE & NUMBER OF EACH UTILITY. PG&E AND CITY INSPECTOR TO DETERMINE METHOD OF CROSSING

NOTE: TRENCH DEPTH NOT TO EXCEED 5' UNLESS APPROVED BY PG&E INSPECTOR. IN <u>NO</u> CASE SHOULD PLASTIC GAS PIPE BE INSTALLED AT A DEPTH GREATER THAN 10' UNLESS APPROVED BY PG&E SENIOR GAS ENGINEER.

TRENCHING CONTRACTOR SHALL NOT ASSUME THAT EITHER OF THE ABOVE DETAILS WILL BE ACCEPTABLE TO PG&E. YOU ARE REQUIRED TO CONTACT THE LOCAL PG&E ENGINEERING OFFICE WITH ANY ISSUE RELATING TO COVERS LESS THAN MINIMUM OR COVERS REQUIRING SHORING. CONCRETE CAPPING IS ONLY ACCEPTABLE WHERE NO OTHER SOLUTION IS POSSIBLE AND ONLY WHEN CERTAIN CRITERIA ARE MET AND ONLY WITH PG&E APPROVAL.



<u>TYPICAL PG&E PRIMARY BOX</u> EXCAVATION DETAIL

ELECTRIC CONDUIT MINIMUM BEND RADIUS

	CONDUIT DI	AMETER	VERT	ICAL RADIU	IS	HORI	ZONTAL F	RADIUS	\supset	
	2"			24"			36"			
	3"			24"			36"			
	4"			36"			36"			
	5"			36"			60"		フ	
NOTE:	315° MAX	BENDS BENDS						200'	OR	LESS

TYPICAL GAS METER REQUIREMENTS*

METER TYPE	LOAD (SCFH)	DELIVERY PRESSURE** (PSIG)	PAD SIZE (INCHES)	MIN. WIDTH REQUIRED FOR METER "X" (INCHES)	DISTANCE FROM RISER TO FINISHED WALL (INCHES)	MIN. HOUSELINE STUB OUT (INCHES)
TYPICAL RESIDENTIAL	0-350 0-600	0.25 2	N/A UNLESS USING FLEX—HOSE METER		6 TO 9	4
400 TO 1000 CLASS	351-1,400 601-2,400	0.25 2	N/A UNLESS USING FLEX—HOSE METER	30	6 TO 9	6
1.5M OR 3M ROTARY	1,401-3,000	APPROVED BY PG&E	40 X 36 X 4	52	20	VARIES
5M OR 7M ROTARY	3,001-7,000	APPROVED BY PG&E	78 X 36 X 4	90	20	VARIES
11M OR 16M ROTARY	7,001-16,000	APPROVED BY PG&E	94 X 36 X 4	106	20	VARIES

*ACTUAL METER-SET CONFIGURATIONS MAY DIFFER DEPENDING ON FIELD CONDITIONS AND RESTRICTIONS FOR GAS METER DETAILS, SEE SECTION 2 OF CURRENT ELECTRIC & GAS SERVICE REQUIREMENTS GREENBOOK BY PG&E. PG&E STANDARD METER SPACING REQUIREMENTS DO NOT INCLUDE CLEARANCE FOR EARTHQUAKE VALVES OR OTHER ADDITIONAL SAFETY EQUIPMENT. SEE NOTE 17 UNDER GENERAL NOTES ON SHEET JT-1. **DELIVERY PRESSURE TO BE CONFIRMED VIA BUILDING PLUMBING AND MECHANICAL PLANS. PG&E MAINTAINS SOLE AUTHORITY TO DETERMINE IF THE ELEVATED DELIVERY-PRESSURE SERVICE IS AVAILABLE AT A SPECIFIC LOCATION.

GENERAL NOTES:

- JOINT TRENCH MUST BE INSTALLED ENTIRELY WITHIN AN EASEMENT. EASEMENTS FOR JOINT TRENCH SERVICE LATERALS WITHIN PROJECT ON PRIVATE PROPERTY ARE AT THE DISCRETION OF THE UTILITY COMPANIES.
- ALL DEPTHS AND RESULTING COVER REQUIREMENTS ARE MEASURED FROM FINAL GRADE.
- COVER, CLEARANCES, AND SEPARATION SHALL BE AS GREAT AS PRACTICABLE UNDER THE CIRCUMSTANCES, BUT UNDER NO CIRCUMSTANCES SHALL BE LESS THAN THE MINIMUM COVER, CLEARANCE, AND SEPARATION REQUIREMENTS SET FORTH IN GENERAL ORDER 128 AND 49CFR 192.321, 49CFR 192.325, AND 49CFR 192.327. ALL FACILITIES SHALL B ANCHORED IN PLACE PRIOR TO COMPACTION, OR OTHER MEANS SHALL BE TAKEN TO ENSURE NO MOTION OF TH FACILITIES. DIMENSIONAL REQUIREMENTS FOR SHADING, LEVELING, AND BACKFILLING SHALL BE DETERMINED SUBSEQUENT
- TRENCH DIMENSIONS SHOWN ARE TYPICAL. TRENCH SIZES AND CONFIGURATIONS MAY VARY DEPENDING UPON OCCUPANCY AND/OR FIELD CONDITIONS. TRENCH SIZE AND CONFIGURATION MUST AT ALL TIMES BE CONSTRUCTED IN A MANNER THAT ENSURES PROPER CLEARANCES AND COVER REQUIREMENTS ARE MET. ANY "CHANGE" TO THE TRENCH WIDTH AND CONFIGURATIONS AS SHOWN IN THIS EXHIBIT MUST BE DESIGNED TO ENSURE THIS REQUIREMENT.
- IT IS PREFERRED TO HAVE NON-PG&E OWNED STREETLIGHTS AT A LEVEL OTHER THAN THE GAS OR ELECTRIC LEVEL NON-PG&E OWNED STREETLIGHTS MAY BE AT THE ELECTRIC LEVEL OF THE TRENCH AS LONG AS MINIMUM CLEARANCES ARE PROVIDED AND COMPLY WITH ALL SPECIAL NOTES FOR A JOINT TRENCH WITH A SECOND ELECTRIC UTILITY.
- NON-UTILITY FACILITIES ARE NOT ALLOWED IN ANY JOINT UTILITY TRENCH, E.G., IRRIGATION CONTROL LINES, BUILDING FIRE ALARM SYSTEMS, PRIVATE TELEPHONE SYSTEMS, OUTDOOR ELECTRICAL CABLE, ETC.
- WHEN COMMUNICATION DUCTS ARE INSTALLED, A MINIMUM OF 12" RADIAL SEPARATION SHALL BE MAINTAINED FROM GAS FACILITIES. EXCEPTION: WITH MUTUAL AGREEMENT, WHEN 4—INCH DIAMETER OR SMALLER GAS PIPE IS INSTALLED, THE
- B. PROVIDE SEPARATION FROM TRENCH WALL AND OTHER FACILITIES SUFFICIENT TO ENSURE PROPER COMPACTION.
- MAINTAIN PROPER SEPARATION BETWEEN PG&E FACILITIES AND "WET" UTILITY LINES AS DESCRIBED IN UO STANDARD \$5453. THE MINIMUM ALLOWABLE HORIZONTAL SEPARATION BETWEEN COMPANY FACILITIES AND "WET" FACILITIES IS WITH A MINIMUM 1' OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER BETWEEN THE FACILITIES. A 3' HORIZONTAL SEPARATION CANNOT BE ATTAINED BETWEEN "WET" UTILITIES AND COMPANY DRY FACILITIES, A VARIANCE MAY BE APPROVED BY THE LOCAL INSPECTION SUPERVISOR AND SUBMITTED TO THE SERVICE PLANNING SUPPORT PROGRAM MANAGER FOR APPROVAL, SEPARATIONS OF 1' OR LESS ARE NOT PERMISSIBLE AND WILL NOT BE ALLOWED. THE COMPANY MAY AGREE TO WAIVE THE MINIMUM 3' SEPARATION REQUIREMENT AT THE REQUEST OF AN APPLICANT IF WARRANTED AND THE NEED IS JUSTIFIED. THE REQUEST FOR A WAIVER MUST:
- . BE MADE IN WRITING AND SUBMITTED TO THE COMPANY ADE DURING THE PLANNING AND DESIGN PHASE OF THE
- CLEARLY DESCRIBE THE CONDITIONS NECESSITATING THE WAIVER. INCLUDE A PROPOSED DESIGN, AND INCLUDE A DESIGN FOR A BARRIER BETWEEN THE "WET" UTILITIES AND COMPANY DRY FACILITIES IN THE EVENT 1' OF UNDISTURBED EARTH CANNOT BE MAINTAINED. NOTE: DRAIN LINES CONNECTED TO DOWNSPOUTS ON BUILDINGS ARE CONSIDERED A "WET" UTILITY FOR THE PURPOSES OF THIS STANDARD.
- IO. SEPARATIONS SHALL BE MAINTAINED AT ABOVE GROUND TERMINATION POINTS.

SEPARATION MAY BE REDUCED TO NOT LESS THAN 6 INCHES.

- PROCEDURES FOR APPROVING NATIVE BACKFILL FOR SHADING OF PG&E GAS FACILITIES: RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF 3 LOCATIONS PER 1,000' OF TRENCH. 100% OF THE SAMPLE MUST PASS THROUGH A 1/2" SIEVE AND 75% MUST PASS THROUGH A #4 SCREEN. ADDITIONAL SAMPLES MUST TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND ARE TO BE TAKEN AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE
- THE SOILS MUST NOT CONTAIN ANY ROCKS THAT HAVE SHARP EDGES OR THAT MAY OTHERWISE BE ABRASIVE. • THE SOILS MUST NOT CONTAIN CLODS LARGER THAN 1/2" IF TO BE USED AS SHADING, BEDDING, OR LEVELING
- · COMPACTION REQUIREMENTS MUST MEET ANY APPLICABLE PG&E, FEDERAL, STATE, COUNTY, OR LOCAL REQUIREMENTS. AT NO TIME SHALL THE OVER SATURATION OF NATIVE SOILS BE USED TO ACHIEVE THESE REQUIREMENTS.
- THE SIEVES AND SCREENS SHALL BE 1/2" SIEVE: 8" DIAMETER BY 2" DEEP, STAINLESS STEEL MESH SCREEN #4 SCREEN: 8" DIAMETER BY 2" DEEP, STAINLESS STEEL MESH SCREEN.
- 2. PROCEDURES FOR APPROVING NATIVE BACKFILL FOR SHADING AT PG&E ELECTRIC FACILITIES. • RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF 3 LOCATIONS PER 1,000' OF TRENCH. ADDITIONAL SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND ARE TO BE TAKEN AT THE DISCRETION OF THE
- PG&E REPRESENTATIVE ON SITE · SHADING MATERIAL CONTAINING LARGE ROCK, PAVING MATERIAL, CINDERS, SHARPLY ANGULAR SUBSTANCES, OR CORROSIVE MATERIAL SHALL NOT BE PLACED IN THE TRENCH WHERE SUCH MATERIAL MAY DAMAGE THE CONDUITS AND/OR PREVENT
- PROPER COMPACTION OVER OR AROUND THE CONDUITS. • NATIVE SOILS CONTAINING CLODS NOT TO EXCEED 6" IN DIAMETER MAY BE INCLUDED IN THE SHADING MATERIAL PROVIDED THE CLODS ARE READILY BREAKABLE BY HAND. NOTE: SOILS CONSISTING PRIMARILY OF ADOBE, HARD COMPACT
- (DENSE) CLAY, AND BAY MUDS SHALL NOT BE USED AS SHADING MATERIAL. AT NO TIME SHALL THE OVER SATURATION OF NATIVE SOILS BE USED TO ACHIEVE THESE REQUIREMENTS.
- REFER TO ENGINEERING DOCUMENT 062288. ITEM 13 ON PAGE 2
- 13. COMPETENT NATIVE SOILS ARE PREFERRED TO BE USED FOR SHADING, BEDDING, AND BACKFILLING THROUGHOUT THE WHERE NATIVE SOILS EXCEED 1/2" MINUS AND/OR WHERE GAS IS TO BE PLACED AT THE BOTTOM OF A TRENCH IN
- AREAS THAT EXCEED 1/2 MINUS SOIL CONDITIONS, OR WHERE THE BOTTOM OF A TRENCH IS CONSIDERED TO CONSIS OF HARD PAN, PG&E APPROVED 1/2" MINUS IMPORT MATERIAL SHALL BE USED FOR SHADING AND/OR BEDDING OF GAS PG&E APPROVED IMPORT MATERIAL IS PER CGT ENGINEERING GUIDELINE 4123.
- IF A LEVELING COURSE IS REQUIRED FOR GAS FACILITIES, THE USE OF NATIVE SOILS IS PREFERRED, BUT IF 1/2" MINUS CONDITIONS ARE NOT ATTAINABLE WITH THE NATIVE SOILS, THEN THE USE OF PG&E APPROVED IMPORT MATERIALS IS REQUIRED. BEDDING UNDER GAS FACILITIES WILL BE A MINIMUM OF 2" OF COMPACTED 1/2" MINUS NATIVE SOILS OR • FOR ELECTRIC FACILITIES, REFER TO NOTE 12. THIS APPLIES TO LEVELING COURSES AS WELL AS SHADING
- THE MINIMUM PG&E APPROVED BEDDING MATERIAL MAY BE INCREASED AT THE DISCRETION OF PG&E WHEN WARRANTED BY EXISTING FIELD CONDITIONS (E.G., ROCKY SOILS, HARD PAN, ETC.).
 THE USE OF ANY IMPORTED MATERIAL FOR BACKFILLING PURPOSES SHALL BE LIMITED TO THOSE SITUATIONS WHEN
- NATIVE SOILS DO NOT ALLOW FOR REQUIRED COMPACTION.
- 14. THE APPLICANT IS RESPONSIBLE FOR THE REMOVAL OF EXCESS SPOIL AND ASSOCIATED COSTS.
- 15. SEPARATION BETWEEN GAS FACILITIES AND ELECTRIC FACILITIES MAY BE REDUCED TO 6" WHEN CROSSING.
- 16. SERVICE SADDLES ARE THE PREFERRED SERVICE FITTINGS FOR USE THROUGHOUT THE JOINT TRENCH PROJECT. ALL PROJECTS WILL BE DESIGNED AND ESTIMATED USING SERVICE SADDLES. HOWEVER, SERVICE TEES MAY BE USED IF ALL CLEARANCES, SEPARATION, AND COVERAGE REQUIREMENTS ARE MAINTAINED.
- 7. CONTRACTOR TO INCREASE METER SPACING AS NECESSARY WHEN EARTHQUAKE VALVES OR OTHER ADDITIONAL SAFETY EQUIPMENT ARE REQUIRED. EARTHQUAKE VALVES ARE REQUIRED IN SOME AREAS AND ARE NOT PART OF PG&E/RADIUS SCOPE. THIS INFORMATION CAN BE FOUND ON BUILDING MECHANICAL ENGINEER'S PLANS. PG&E STANDARD METER SPACING REQUIREMENTS DO NOT INCLUDE CLEARANCE FOR EARTHQUAKE VALVES.

TRANSFORMER CLEARANCE REQUIREMENTS:

- ABOVE ANY THREE PHASE PAD-MOUNTED TRANSFORMER LOCATION (EXCEPT MINI THREE PHASE), MAINTAIN 30' MINIMUM UNOBSTRUCTED OVERHEAD CLEARANCE OVER TRANSFORMER PAD.
- ABOVE ANY OTHER TRANSFORMER LOCATION, MAINTAIN 20' MINIMUM UNOBSTRUCTED OVERHEAD CLEARANCE OVER TRANSFORMER VAULT/PAD.

GAS PIPELINE UNDERGROUND WARNING TAPE NOTES:

A WARNING TAPE IS TO BE INSTALLED IN OPEN TRENCH INSTALLATION OVER GAS PIPELINES IN BOTH TRANSMISSION AND DISTRIBUTION FACILITIES. THIS INCLUDES TRENCHES, BELL HOLES, EXCAVATIONS FOR REPAIR PURPOSES AND RISER REPLACEMENTS. THE WARNING TAPE IS INTENDED FOR EXCAVATOR DIGGING IN THE "TOLERANCE ZONE" TO STRIKE THE WARNING TAPE PRIOR THAN THE PIPELINE. WHEN THE WARNING TAPE IS EXPOSED AND GRABBED WITH EXCAVATING EQUIPMENT, IT STRETCHES WITHOUT BREAKING, THUS ALERTING THE EXCAVATOR OF THE GAS FACILITY BELOW.

INSTALL 6" WIDE WARNING TAPE ABOVE THE GAS PIPELINE AT LEAST 12" BELOW GRADE, AND NO CLOSER THAN 12" FROM THE PIPE. INSTALLATION SHOULD PROVIDE THE GREATEST DISTANCE BETWEEN THE PIPELINE AND THE TAPE AS POSSIBLE. INSTALL THE TAPE ALONG THE LENGTH OF THE EXCAVATION. ENSURE THAT THE TAPE OVERLAPS WHEN TWO OR MORE PIECES OF TAPE ARE USED. EXCEPTION: WHEN A JOINT TRENCH DESIGN DOES NOT ALLOW FOR INSTALLMENT OF WARNING TAPE WITHIN THE "WARNING TAPE INSTALLATION ZONE", INSTALL THE WARNING TAPE A MINIMUM OF 6" ABOVE THE GAS PIPELINE, AND BELOW THE FACILITY ABOVE THE PIPE.

WARNING TAPE SHALL BE BRIGHTLY COLORED YELLOW AND MARKED "CAUTION: GAS LINE BURIED BELOW" OR MARKED WITH A SIMILAR NOTIFICATION.

WARNING TAPE SHALL BE STORED IN SUCH A MANNER THAT LIMITS ULTRAVIOLET (UV) EXPOSURE.

PG&E PM#S: **ELECTRIC:** GAS:

DESIGN CHANGE COMPONENT ANY CHANGES TO THIS DESIGN MUST BE APPROVED BY

TYPICAL DETAIL

GAS PIPELINE UNDERGROUND WARNING TAPE INSTALLATION (N.T.S.)

12" MIN.

12" MIN.

PG&E GAS ADE

CONSTRUCTION NOTES:

- ALL TRENCHING, BACKFILLING AND INSTALLATION BY CONTRACTOR MUST COMPLY WITH PG&E UO STANDARD \$5453 (EFFECTIVE DATE 7-5-2006).
- ALL WORK MUST COMPLY WITH P.G. & E., TELEPHONE, C.A.T.V., STANDARDS AND PRACTICES. ALL WORK MUST BE INSPECTED AND APPROVED BY RESPECTIVE INSPECTORS. RANDOM SOIL SAMPLES SHALL BE TAKEN FROM A MINIMUM OF THREE LOCATIONS PER 1,000' OF TRENCH. 100% OF THE SAMPLE MUST PASS THROUGH A 1/2" SIEVE AND 75% MUST PASS THROUGH A #4 SCREEN. ADDITIONAL SAMPLES MUST BE TAKEN IF EXISTING SOIL CONDITIONS CHANGE AND IS TO BE AT THE DISCRETION OF THE PG&E REPRESENTATIVE ON SITE. THE SOILS MUST NOT CONTAIN ANY ROCKS THAT HAVE SHARP EDGES OR THAT MAY OTHERWISE BE ABRASIVE. THE SOILS MUST NOT CONTAIN CLODS LARGER THAN ½" IF TO BE USED AS SHADING, BEDDING OR LEVELING MATERIALS. COMPACTION REQUIREMENTS MUST MEET ANY APPLICABLE P.G.& E. FEDERAL, STATE, COUNTY OR LOCAL REQUIREMENTS. ANY NATIVE SOILS OR IMPORT MATERIALS USED MUST NOT HINDER THOSE EFFORTS.
- BACKFILL SHALL BE APPROVED BY THE UTILITY COMPANIES AND THE CITY. COMPACTION WILL BE TESTED AND PASSED BY THE SOILS ENGINEER.
 - IF SOIL IS NOT ROCK FREE, ADD 4" DEPTH OF TRENCH FOR SAND BEDDING
- VERIFY SPLICE BOX EXCAVATION SIZES WITH SUPPLIER(S).

PAYMENT WILL BE CONSIDERED FOR CROSSING OTHER SYSTEMS

- THE TRENCHING CONTRACTOR SHALL COORDINATE THE UTILITY COMPANIES' INSTALLATION. THE TRENCHING CONTRACTOR TO PLACE CONNECTING CONDUIT WITHIN 5' OF BUILDING EXTERIOR WALL
- CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THE PROJECT IMPROVEMENT PLANS AND CONDUCT HIS WORK
- IT IS THE TRENCHING CONTRACTOR'S RESPONSIBILITY TO PROTECT IN PLACE ALL EXISTING FACILITIES. NO EXTRA
- RADIUS DESIGN ASSUMES NO RESPONSIBILITY FOR THE PROJECT CONDITIONS. THESE DRAWINGS WERE PREPARED USING DATA SUPPLIED BY PG&E, TELEPHONE, C.A.T.V., IMPROVEMENT PLANS AND THE CITY'S VARIOUS "AS BUILT" INFORMATION.
- CONTRACTOR WILL COMPLY WITH ALL LAWS, ORDINANCES AND REGULATIONS. CONTRACTOR SHALL BE FAMILIAR WITH O.S.H.A., INDUSTRIAL SAFETY ORDERS AND SHALL CONDUCT HIS WORK ACCORDINGLY. WHEN WORKING NEAR ENERGIZED OR "HOT" EQUIPMENT, THE UTILITY OWNER SHALL BE NOTIFIED TO SUPPLY THE APPROPRIATE MAN POWER. PUBLIC SAFETY AND TRAFFIC CONTROL MEASURES ARE THE CONTRACTOR'S RESPONSIBILITY.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PHYSICALLY REVIEW THE PROJECT PRIOR TO SUBMITTING HIS BID.

- I. THE CONTRACTOR SHALL PROTECT CONSTRUCTION STAKING. HE SHALL COORDINATE STAKING WITH THE PROJECT'S CIVIL
- 2. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) TWO WORKING DAYS PRIOR TO START OF WORK.
- CONTRACTOR SHALL NOTIFY INSPECTORS OF ANY POTENTIAL CONFLICTS PRIOR TO START OF WORK.
- 4. THIS PLAN IS TO BE USED FOR SOLE PURPOSE OF DIGGING THE JOINT TRENCH. SEE PG&E, AT&T, AND COMCAST PLANS FOR EXACT SIZE AND NUMBER OF CONDUITS INSTALLED IN THE JOINT TRENCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE CORRECT NUMBER, SIZE AND TYPES OF CONDUITS ARE INSTALLED PER THE ENGINEERED PLANS BY EACH UTILITY COMPANY.
- NOTE PLANS ISSUED AT THE PRE-CONSTRUCTION MEETING MAY BE SUBJECT TO REVISIONS, IF FINAL PLANS FROM EACH UTILITY COMPANY WERE NOT AVAILABLE AT THE START OF CONSTRUCTION.
- WATER, SEWER, DRAINS, SANITARY WASTE, FUELS (INCLUDING DIESEL AND GASOLINE), OIL, PROPANE AND OTHER VOLATILE HEAVIER THAN AIR GASES, SPRINKLER, IRRIGATION, STEAM AND OTHER "WET" FACILITIES SHALL MAINTAIN A MINIMUM OF THREE FEET FROM THE NEAREST OUTER SURFACE OF PG&E FACILITIES WITH NO LESS THAN ONE FOOT OF EARTH (SOIL BARRIER) BETWEEN THE ADJACENT SIDES OF THE INDIVIDUAL TRENCHES.
- IN THE EXTRAORDINARY CASE THAT THE MINIMUM THREE FOOT HORIZONTAL SEPARATION CANNOT BE ATTAINED BETWEEN "WET" UTILITIES AND COMPANY DRY FACILITIES, A VARIANCE MAY APPROVED BY THE LOCAL INSPECTION SUPERVISOR AND SUBMITTED TO SERVICE PLANNING SUPPORT PROGRAM MANAGER FOR APPROVAL.
- 18. ALL METER PANELS: INDIVIDUAL, RESIDENTIAL, OR NONRESIDENTIAL APPLICANTS WITH A METER PANEL RATING OF ANY SIZE, INSTALLED INSIDE A METER ROOM OR OTHER STRUCTURE, MUST FOLLOW ALL OF THE REQUIREMENTS DESCRIBED A. INSTALL, OWN, AND MAINTAIN A SEPARATE, NOMINAL, 2-INCH DIAMETER CONDUIT WITH PULL TAPE INSIDE.
- CONDUIT AND PULL TAPE MUST EXTEND FROM THE OUTSIDE SURFACE OF THE BUILDING AND TERMINATE OUTSIDE THE METER PANEL OR SWITCHBOARD AT THE TOP OF THE METER SECTION.
- B. ENSURE THE 2-INCH DIAMETER CONDUIT AND PULL TAPE EXIT THE OUTSIDE OF THE BUILDING A MINIMUM OF 8 FEET AND A MAXIMUM OF 10 FEET ABOVE GROUND. THE OPEN END OF THE CONDUIT THAT IS EXPOSED TO THE OUTSIDE MUST HAVE A REMOVABLE, TEMPORARY CAP OR PLUG C. DO NOT USE THE CONDUIT. THE CONDUIT IS FOR PG&E'S METERING EQUIPMENT ONLY
- THIS JOINT TRENCH PLAN WAS PREPARED BASED ON TOPOGRAPHICAL SURVEY AS PROVIDED BY A CIVIL ENGINEER. THE CONTRACTOR IS CAUTIONED THAT EXPLORATORY WORK IS NECESSARY TO DETERMINE THE ACTUAL LOCATION OF ANY EXISTING UTILITY. RADIUS STRONGLY RECOMMENDS THAT ALL UTILITIES BE PHYSICALLY LOCATED ON THE SITE BEFORE THE ONSET OF SITE WORK. SUBSTRUCTURE LOCATIONS MAY REQUIRE FIELD ADJUSTMENT TO COMPENSATE FOR ACTUAL EXISTING UTILITY LOCATIONS.

SUBSTRUCTURE VERIFICATION STAMP

<u>DEVELOPER</u> PLEASE NOTE AND SIGN

ALL PG&E ENCLOSURES AND BOXES HAVE BEEN SET TO GRADE ACCORDING TO GRADE STAKES PROVIDED BY EVELOPERS ENGINEER. ALL COSTS TO RELOCATE OR -ADJUST BOXES AT A LATER DATE WILL BE BILLED TO THE DEVELOPER. PLEASE HAVE YOUR SUPT. VERIFY THE CORRECT GRADE OF ALL ENCLOSURES OR BOXES, AND

SIGNED.

FINISHED GRADE

WARNING TAPE

INSTALLATION ZON

-GAS PIPELINE

-WARNING TAPE

SIGN AND DATE DRAWING.

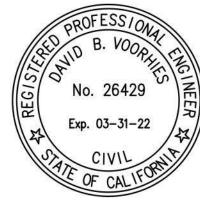
CITY OF SAN JOSE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED FOR UTILITY TRENCH WORK WITHIN CITY RIGHT-OF-WAY ONLY PROJECT ENGINEER EXPIRATION DATE PERMIT NUMBER

l	JTILITY APPROVALS	
UTILITY	APPROVED BY	DATE
PG&E ELECTRIC		
PG&E GAS		
AT&T (PHONE)		
COMCAST (CATV)		
CITY ENGINEER		

	QA REVI	EW
	INITIALS	REVIEW DATE
INTENT		
COMPOSITE		
PRE-CON		
PRE-CON		

DEVELOPER: GOOGLE 1600 AMPHITHEATRE PARKWAY MOUNTAIN VIEW, CA 94043 ROBERT YIN ROBERTYIN@GOOGLE.COM

JOINT TRENCH TITLE SHEET OVERALL JT-B.2 JT—B.3 THRU B.20 JOINT TRENCH INTENT



SHE TITLE TR JOINT

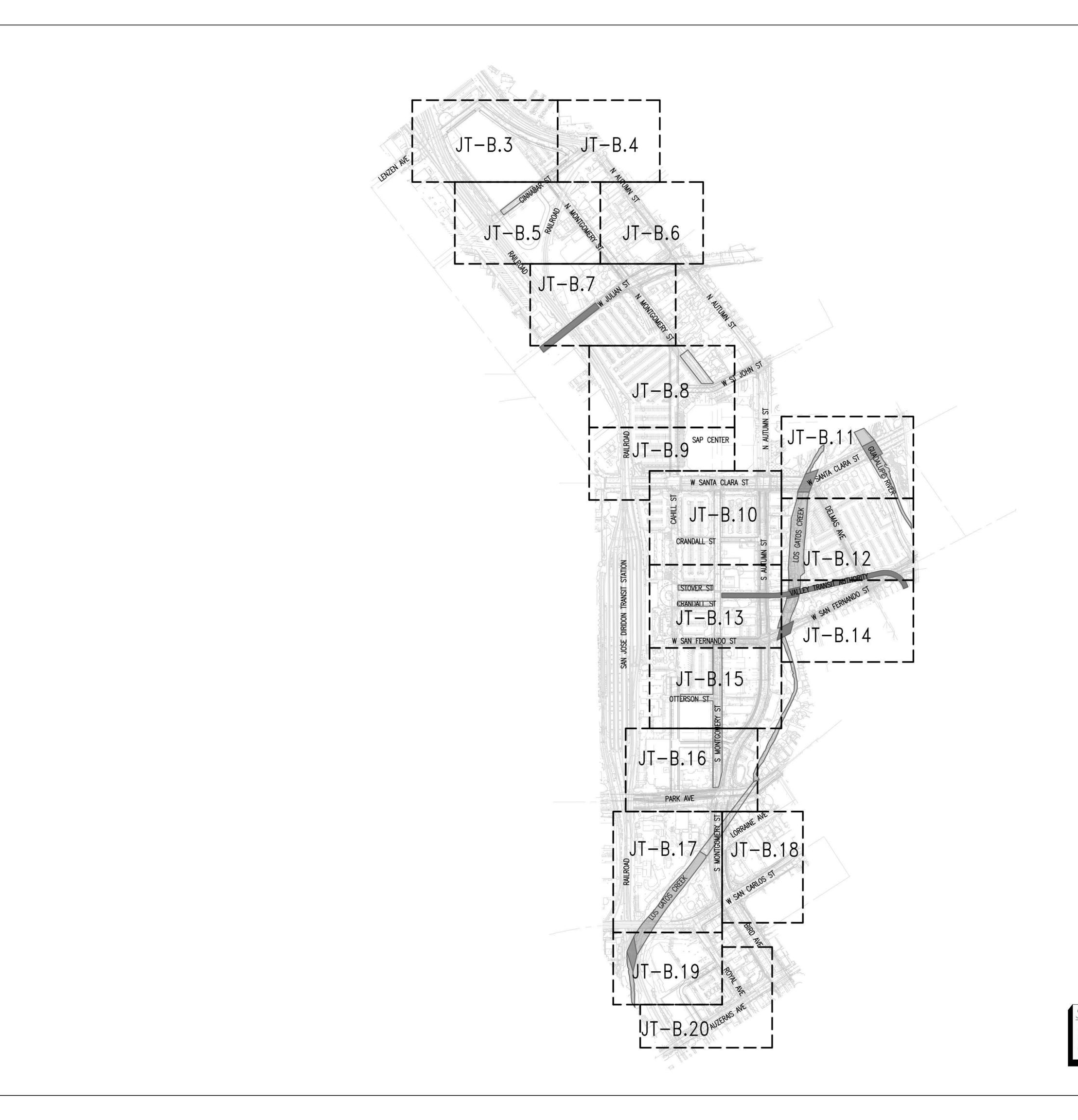
DECT NUMBER: 20-1072 N.T.S.

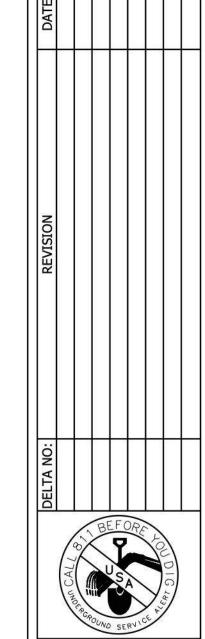
PROJECT MANAGER: SCOTT HARDESTER HENRY NGUYEN

CRAIG BURTON LAST UPDATED:

AWING NUMBER: JT-B.1

10-07-2020





DOWNTOWN WEST San Jose, California

OVERALL

ROJECT NUMBER: 20-1072

1" = 300'

PROJECT MANAGER:
SCOTT HARDESTER

0 150 300

No. 26429

Exp. 03-31-22

DRAWN BY: HENRY NGUYEN

CHECKED BY:
CRAIG BURTON

LAST UPDATED:
10-07-2020

DRAWING NUMBER:

JT-B.2

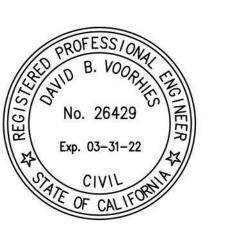
SHEET: 2 OF: 20

JT-B.1 JOINT TRENCH TITLE SHEET
JT-B.2 OVERALL
JT-B.3 THRU B.20 JOINT TRENCH INTENT

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-B006.

JOINT TRENCH TITLE SHEET JT—B.2 OVERALL JT—B.3 THRU B.20 JOINT TRENCH INTENT



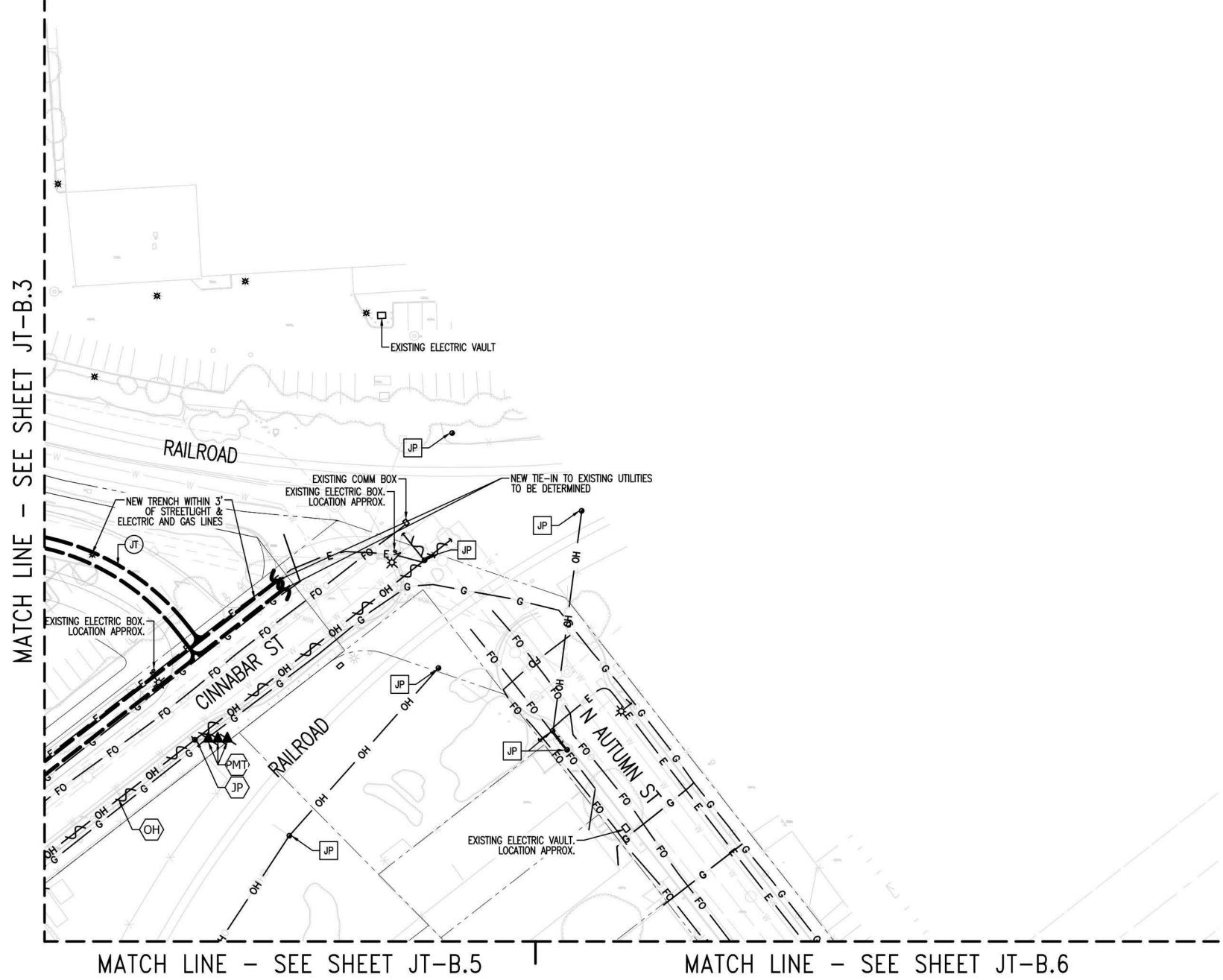
JOINT

OJECT NUMBER: 20-1072 1" = 40'

PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON LAST UPDATED:

10-07-2020 RAWING NUMBER: JT-B.3 SHEET: 3 OF: 20



NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND: NEW DESCRIPTION** JOINT TRENCH — OH — OVERHEAD LINES

- FO - FIBER OPTIC LINES JOINT POLE POLE-MOUNTED TRANSFORMER DECORATIVE LIGHT STREET LIGHT TRAFFIC SIGNAL LIGHT OH EXISTING OVERHEAD LINE TO BE REMOVED E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED EXISTING GAS LINE TO BE REMOVED/RELOCATED ATT

EXISTING PHONE LINE TO BE REMOVED/RELOCATED FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

EXISTING JOINT POLE TO BE REMOVED

JOINT

NTOWN WEST Jose, California

OJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN **CRAIG BURTON** LAST UPDATED:

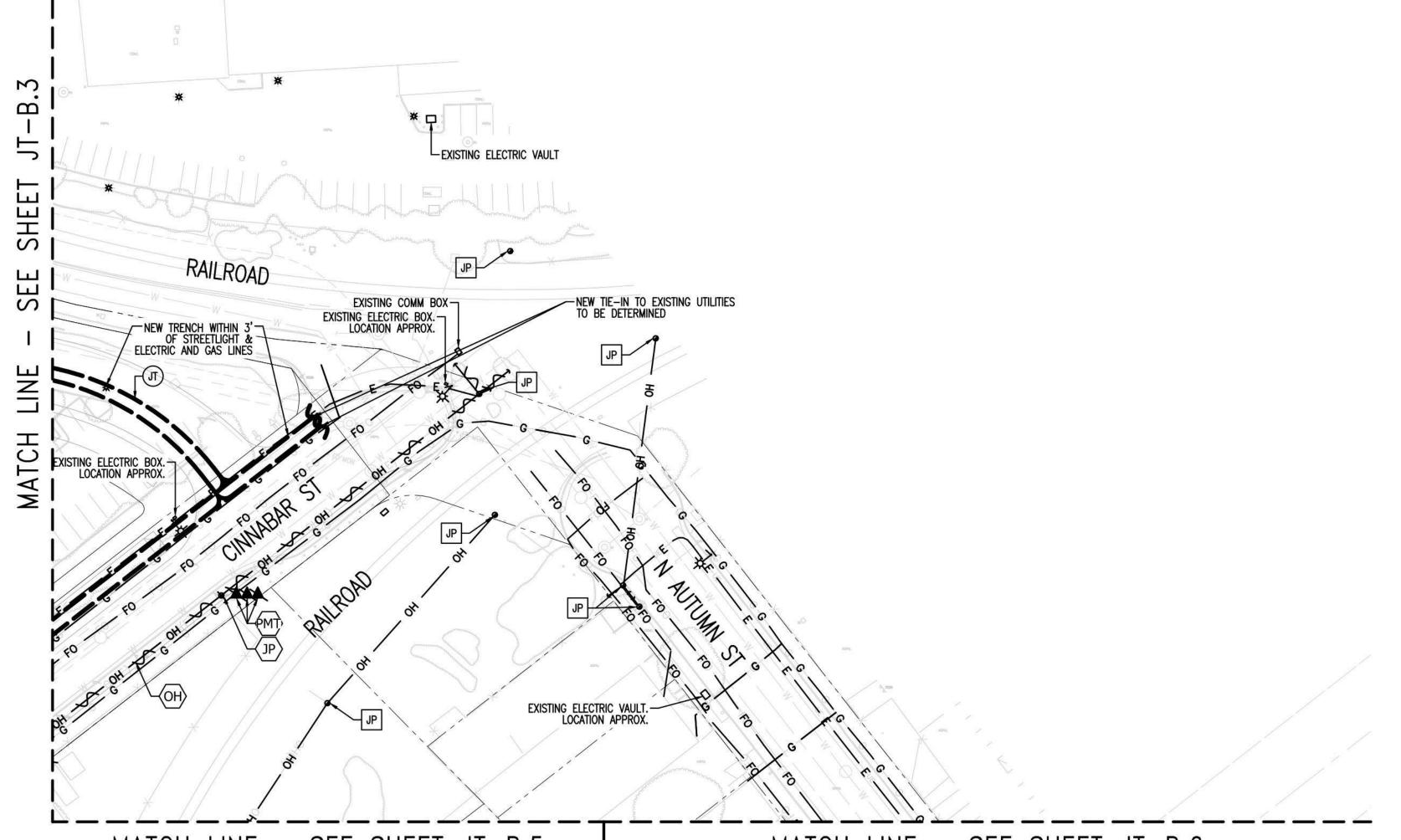
10-07-2020 JT-B.4 SHEET: 4 OF: 20

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET JT—B.2 OVERALL JT—B.3 THRU B.20 JOINT TRENCH INTENT

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.3 MATCH LINE - SEE SHEET JT-B.4 -EXISTING ELECTRIC METER NEW TRENCH WITHIN 3' OF ELECTRIC VAULTS EXISTING ELECTRIC VAULT -TO BE RELOCATED B.6 NEW TIE-IN TO EXISTING UTILITIES TO BE DETERMINED EXISTING ELECTRIC TRANSFORMER. LOCATAION APPROX. EXISTING UTILITY VAULT EXISTING ELECTRIC VAULT 1 2 JP - • EXISTING ELECTRIC METER.— LOCATION APPROX. MATCH LINE - SEE SHEET JT-B.7

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND: DESCRIPTION JOINT TRENCH — OH — OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER DECORATIVE LIGHT STREET LIGHT TRAFFIC SIGNAL LIGHT E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED EXISTING GAS LINE TO BE REMOVED/RELOCATED EXISTING PHONE LINE TO BE REMOVED/RELOCATED FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

OJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN **CRAIG BURTON** LAST UPDATED:

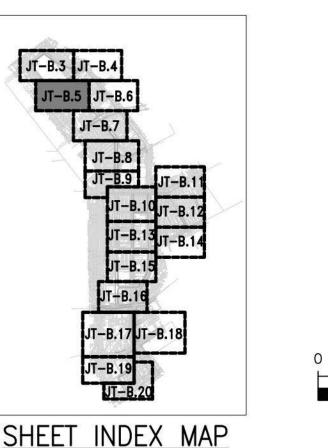
10-07-2020 RAWING NUMBER: JT-B.5
SHEET: 5 OF: 20

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-B006.



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET JT—B.2 OVERALL JT—B.3 THRU B.20 JOINT TRENCH INTENT

-PRELIMINARY-NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT
THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.4 EXISTING ELECTRIC VAULT. — LOCATION APPROX. EXISTING COMM BOX. -LOCATION APPROX. EXISTING ELECTRIC VAULT. — LOCATION APPROX. EXISTING CATV BOX. -LOCATION APPROX. B.5 EXISTING AT&T BOX. -LOCATION APPROX. <u>_</u> SHEET EXISTING ELECTRIC VAULT. — LOCATION APPROX. SEE EXISTING ELECTRIC VAULT LINE EXISTING ELECTRIC BOX. -LOCATION APPROX. EXISTING ELECTRIC VAULT. LOCATION APPROX.
EXISTING ELECTRIC TRANSFORMER.
LOCATION APPROX. MATCH EXISTING CATV BOX.— LOCATION APPROX. EXISTING AT&T VAULT.— LOCATION APPROX. EXISTING ELECTRIC VAULT.— LOCATION APPROX. EXISTING ELECTRIC VAULT.-LOCATION APPROX. -EXISTING ELECTRIC TRANSFORMER. LOCATION APPROX. EXISTING UTILITY BOX EXISTING ELECTRIC BOX-MATCH LINE - SEE SHEET JT-B.7

JT-B.5 JT-B.6

JT-B.7

JT-B.9

JT-B.10

JT-B.12

JT-B.13

JT-B.14

JT-B.15

JT-B.19

JT-B.20

SHEET INDEX MAP

N. T. S.

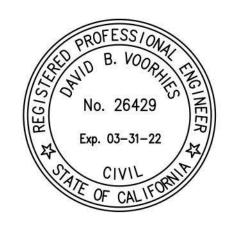
N. T. S.

SHEET INDEX

JOINT TRENCH TITLE SHEET

JT-B.2 OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT



NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u>
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.

SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-B006.

NOTE TO CONTRACTOR:

FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

LEGEND: DESCRIPTION NEW — JOINT TRENCH - OH - OVERHEAD LINES — FO — FIBER OPTIC LINES JOINT POLE POLE-MOUNTED TRANSFORMER DECORATIVE LIGHT STREET LIGHT TRAFFIC SIGNAL LIGHT OH EXISTING OVERHEAD LINE TO BE REMOVED E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED EXISTING GAS LINE TO BE REMOVED/RELOCATED ATT

EXISTING PHONE LINE TO BE REMOVED/RELOCATED FO SISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

DELTA N BELOSTINO CALLOS DEL SA SESSIONI DELTA N BELOSTINO CALLOS DEL SA SESSIONI DEL SA SESSIONI

Z Z

OWNTOWN WEST San Jose, California

JOINT

AN JOSE

DESIGN CONSULTANTS & ENGINEERS
Tel (925) 269-4575

TOJECT NUMBER: 20-1072

20-1072

SCALE:

1" = 40'

PROJECT MANAGER:

SCOTT HARDESTER

DRAWN BY:
HENRY NGUYEN
CHECKED BY:
CRAIG BURTON

LAST UPDATED:
10-07-2020

JT-B.6
SHEET: 6 OF: 20

PLEASE CONFIRM
TIE IN LOCATIONS
NOT FOR CONSTRUCTION

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.6 MATCH LINE - SEE SHEET JT-B.5 EXISTING STREET LIGHT BOX.— LOCATION APPROX.— EXISTING MCI BOX.— LOCATION APPROX. EXISTING CATV BOX. -LOCATION APPROX. × EXISTING > ELECTRIC BOX EXISTING TRAFFIC -SIGNAL BOX EXISTING COMM BOX-- EXISTING STREET LIGHT BOX. LOCATION APPROX. EXISTING ELECTRIC BOX -EXISTING AT&T BOX-EXISTING GAS VALVE. — LOCATION APPROX. **EXISTING JOINT POLE** EXISTING JOINT POLE EXISTING ELECTRIC VAULT. -LOCATION APPROX. NEW TRENCH WITHIN 3' OF DRY UTILITIES. EXISTING CSJ COMM BOX.— LOCATION APPROX. EXISTING ELECTRIC VAULT.— LOCATION APPROX. EXISTING UTILITY BOX. -LOCATION APPROX. EXISTING ELECTRIC VAULT EXISTING SBC VAULT. -LOCATION APPROX. EXISTING UTILITY BOX.
LOCATION APPROX. EXISTING ELECTRIC VAULT. — LOCATION APPROX. JP -EXISTING UTILITY BOX.— LOCATION APPROX. MATCH LINE - SEE SHEET JT-B.8

SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET

OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH. REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA

CONSTRUCTION REQUIREMENTS. SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE

SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

USE OF PVC DB-120 IS NO LONGER APPROVED PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND: DESCRIPTION JOINT TRENCH — OH — OVERHEAD LINES —— FIBER OPTIC LINES JOINT POLE POLE-MOUNTED TRANSFORMER DECORATIVE LIGHT STREET LIGHT TRAFFIC SIGNAL LIGHT OH EXISTING OVERHEAD LINE TO BE REMOVED E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED EXISTING GAS LINE TO BE REMOVED/RELOCATED EXISTING PHONE LINE TO BE REMOVED/RELOCATED FO SISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

OJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON LAST UPDATED:

10-07-2020 RAWING NUMBER: JT-B.7

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.7 RAILRON EXISTING CSJO COMM BOX— TO BE RELOCATED SAP CENTER MATCH LINE - SEE SHEET JT-B.9

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND: DESCRIPTION** — OH — OVERHEAD LINES

JOINT POLE POLE-MOUNTED TRANSFORMER TRAFFIC SIGNAL LIGHT

FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

ROJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN

CRAIG BURTON LAST UPDATED: 10-07-2020 RAWING NUMBER:

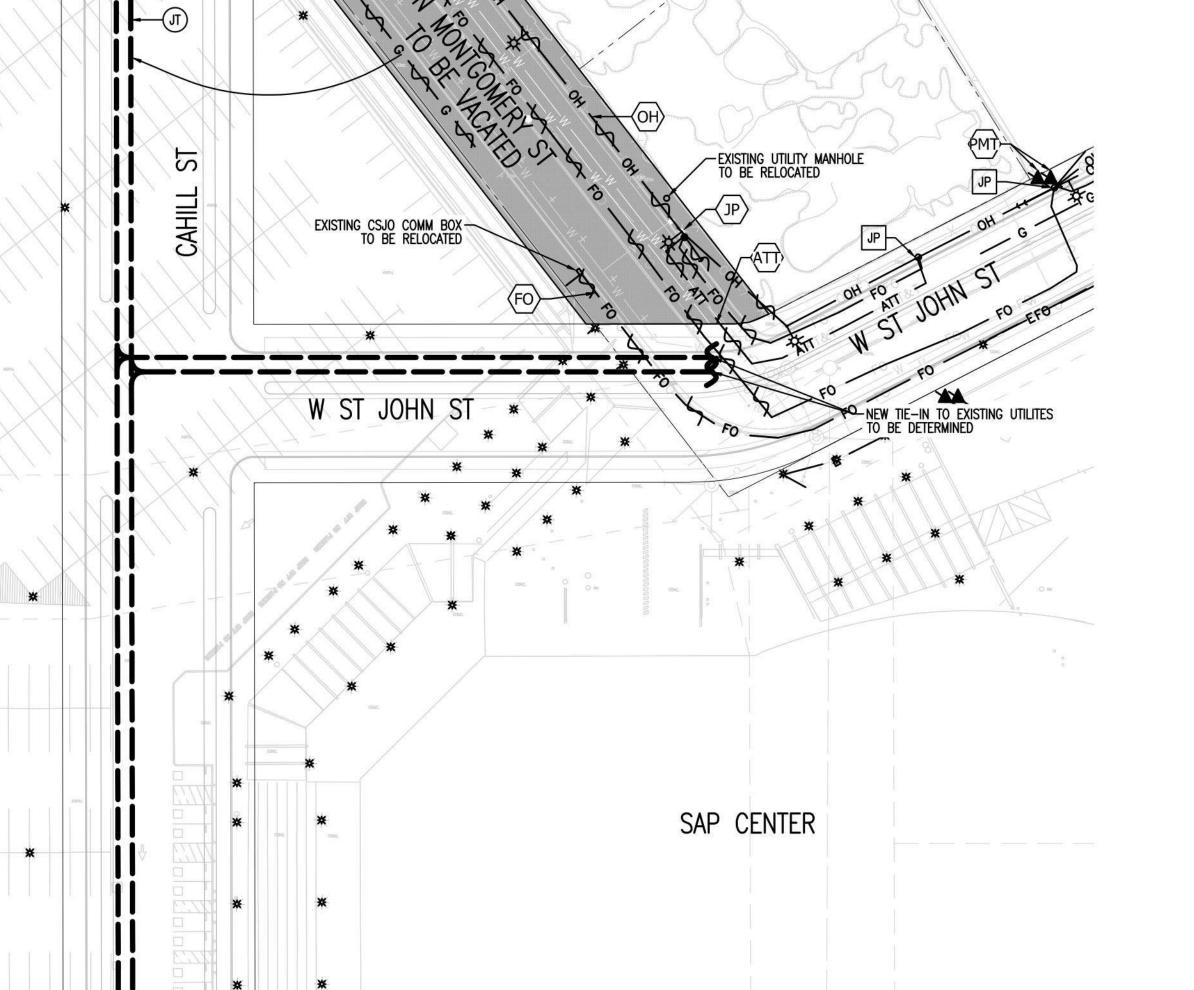
JT-B.8
SHEET: 8 OF: 20

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:
USE OF PVC DB-120 IS NO LONGER APPROVED BY
PG&E FOR ANY CONDUIT SIZES, BENDS, AND
FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED
IN PLACE OF PVC DB-120 CONDUIT. FOR ALL
APPROVED CONDUITS, BENDS, AND FITTINGS, SEE
PG&E BULLETIN TD-062288-B006.



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT

FO ATT

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

— OH — OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT TRAFFIC SIGNAL LIGHT MATCH LINE - SEE SHEET JT-B.8 EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

MATCH LINE - SEE SHEET JT-B.10

SAP CENTER

NTOWN WEST Jose, California JOINT

ROJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON

LAST UPDATED: 10-07-2020 RAWING NUMBER: JT-B.9

SHEET INDEX MAP N. T. S.

NOTE TO CONTRACTOR:

FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

DESCRIPTION JOINT TRENCH

JOINT TRENCH TITLE SHEET OVERALL JT-B.3 THRU B.20 JOINT TRENCH INTENT

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED E PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

W SANTA CLARA ST

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.9 W SANTA CLARA ST COMM BOX. LOCATION APPROX EXISTING TRAFFIC — SIGNAL BOX NEW TRENCH WITHIN 3' OF STRM MANHOLE. FURTHER COORDINATION REQUIRED. LOCATION APPROXIMATE -LOCATION APPROXIMATE (DRAWN PER AS-BUILTS). CIVIL TO CONFIRM $\dot{\mathbf{m}}$ I 몽 CRANDALL ST 비 IS LOCATION APPROXIMATE (DRAWN PER AS-BUILTS). CIVIL TO CONFIRM EXISTING TRANSFORMER T919.— LOCATION APPROX. I NE MATCH EXISTING ELECTRIC BOX.-MATCH LINE - SEE SHEET JT-B.13

EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED JT-B.3 JT-B.4

SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET

OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT

FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND:** DESCRIPTION JOINT TRENCH OH ---- OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT TRAFFIC SIGNAL LIGHT

EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

NOTE TO CONTRACTOR:

JOINT

ROJECT NUMBER: 20-1072

1' = 40'

PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON LAST UPDATED:

10-07-2020 RAWING NUMBER: JT-B.10 SHEET: 10 OF: 20

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED ! PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

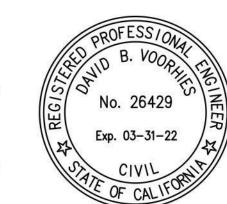
THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

EXISTING CSJ LIGHTING BOX.— LOCATION APPROX. EXISTING ELECTRIC BOX -EXISTING UTILITY BOX-EXISTING PHONE BOX. — LOCATION APPROX. BRIDGE AREA (LIMITS APPROX.) LOCATION APPROXIMATE -(DRAWN PER AS-BUILTS). CIVIL TO CONFIRM EXISTING CSJ-LIGHTING BOX. LOCATION APPROX. 10 LOCATION APPROXIMATE -(DRAWN PER AS-BUILTS). CIVIL TO CONFIRM INTERCONNECT BOX.
LOCATION APPROX.

EXISTING UTILITY BOX.
LOCATION APPROX. $\mathbf{\omega}$ -EXISTING CSJ INTERCONNECT BOX -EXISTING STREET LIGHT BOX -LOCATION APPROXIMATE - LOCATION APPROXIMATE (DRAWN PER AS-BUILTS). CIVIL TO CONFIRM (DRAWN PER AS-BUILTS). CIVIL TO CONFIRM -EXISTING ELECTRIC BOX -EXISTING STREET LIGHT BOX LOCATION APPROXIMATE (DRAWN PER AS-BUILTS). CIVIL TO CONFIRM EXISTING STREET LIGHT BOX
EXISTING TRAFFIC SIGNAL BOX
EXISTING ELECTRIC MANHOLE EXISTING STREET LIGHT BOX-MATCH LINE - SEE SHEET JT-B.12

SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET **OVERALL** JT-B.3 THRU B.20 JOINT TRENCH INTENT



NOTE TO COMCAST:

PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND

VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005

DOCUMENT FOR SMART METER ANTENNA

CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY

LICENSED SURVEYOR PRIOR TO CONSTRUCTION.

SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE

SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION:

USE OF PVC DB-120 IS NO LONGER APPROVED BY

PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED

IN PLACE OF PVC DB-120 CONDUIT. FOR ALL

APPROVED CONDUITS, BENDS, AND FITTINGS, SEE

PG&E BULLETIN TD-062288-B006.

NOTE TO CONTRACTOR:

FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND: DESCRIPTION JOINT TRENCH — OH — OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT TRAFFIC SIGNAL LIGHT EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED

EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

OJECT NUMBER: 20-1072 1" = 40'

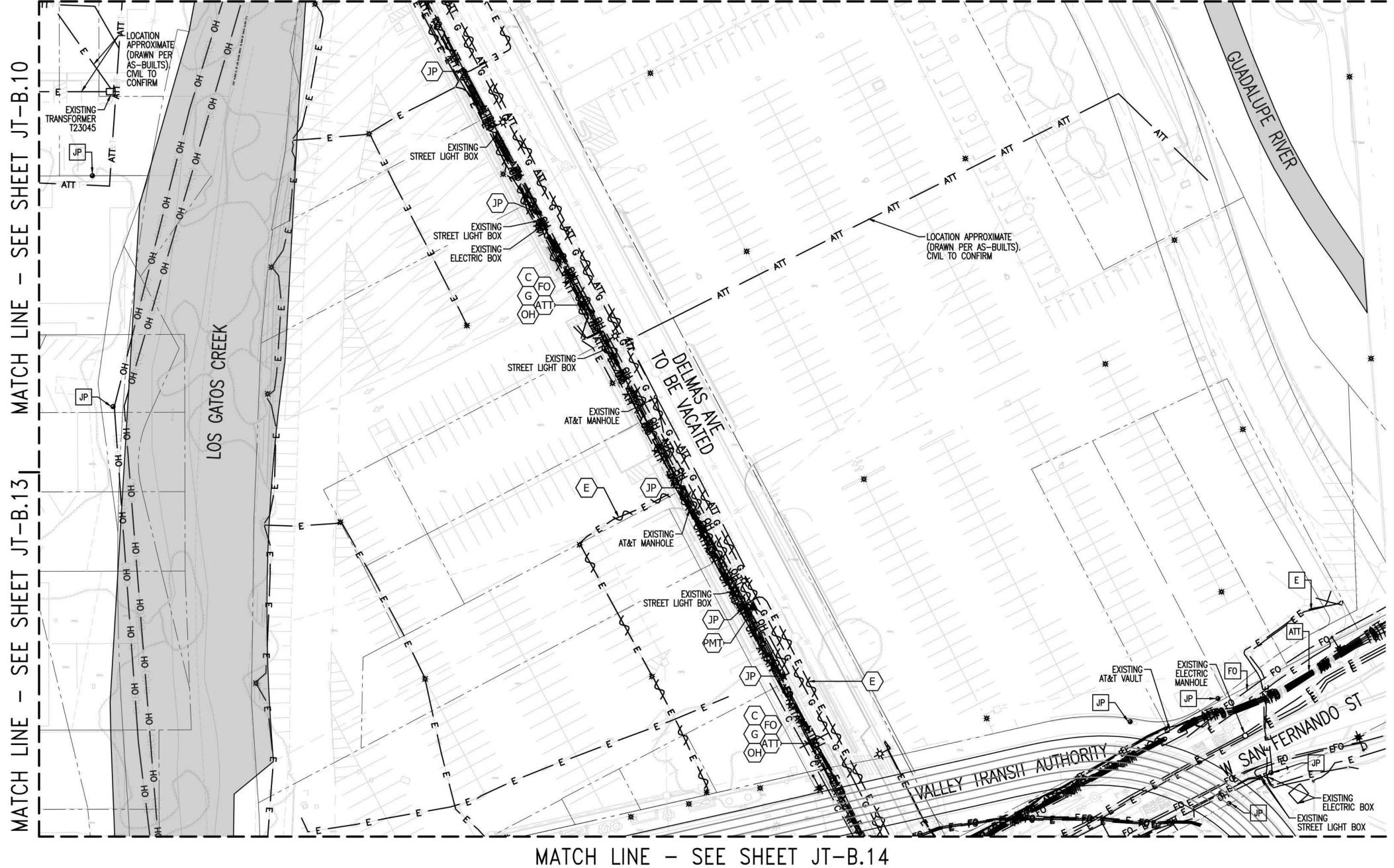
PROJECT MANAGER: SCOTT HARDESTER HENRY NGUYEN

CRAIG BURTON LAST UPDATED:

10-07-2020 RAWING NUMBER: JT-B.11

THIS IS NOT A BID DOCUMENT

MATCH LINE - SEE SHEET JT-B.11



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT

OJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER:

HENRY NGUYEN **CRAIG BURTON**

LAST UPDATED: 10-07-2020

JT-B.12 SHEET: 12 OF: 20

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

USE OF PVC DB-120 IS NO LONGER APPROVED PG&E FOR ANY CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND: DESCRIPTION

— OH — OVERHEAD LINES

JOINT POLE

POLE-MOUNTED TRANSFORMER

TRAFFIC SIGNAL LIGHT

FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

SCOTT HARDESTER

MATCH LINE - SEE SHEET JT-B.15

JT-B.3 JT-B.4

JT-B.5 JT-B.6

JT-B.9 JT-B.12

JT-B.13 JT-B.14

JT-B.15

JT-B.19

JT-B.19

JT-B.20

SHEET INDEX MAP

N. T. S.

SHEET INDEX

JOINT TRENCH TITLE SHEET

JT-B.2 OVERALL

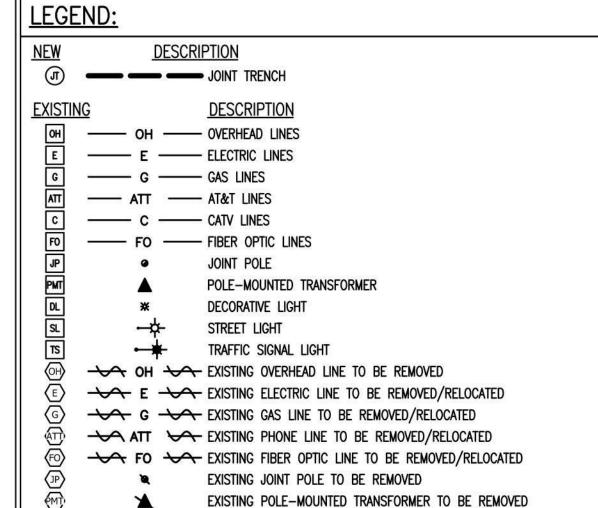
JT-B.3 THRU B.20 JOINT TRENCH INTENT



NOTE TO CONTRACTOR:

FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)



DELTA NO

BELTA NO

OF STATE O

JOINT TRENCH INTENT
DOWNTOWN WEST

Ц

DESIGN LLS
ALNUT CREEK, CA 94596
SAN 1C

DESIGN CONSULTANTS & ENGINEE

ROJECT NUMBER:
20-1072
CALE:
1" = 40'

T" = 40'

PROJECT MANAGER:

SCOTT HARDESTER

DRAWN BY:
HENDY NGLIVEN

SCOTT HARDESTER
RAWN BY:
HENRY NGUYEN
HECKED BY:
CRAIG BURTON

LAST UPDATED:
10-07-2020
DRAWING NUMBER:

JT-B.13 SHEET: 13 OF: 20

NOTE TO COMCAST:

PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u>
DOCUMENT FOR SMART METER ANTENNA
CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

PG&E FOR UNDERGROUND ELECTRIC INSTALLATION:

USE OF PVC DB-120 IS NO LONGER APPROVED BY

PG&E FOR ANY CONDUIT SIZES, BENDS, AND

FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED

IN PLACE OF PVC DB-120 CONDUIT. FOR ALL

APPROVED CONDUITS, BENDS, AND FITTINGS, SEE

PG&E BULLETIN TD-062288-B006.

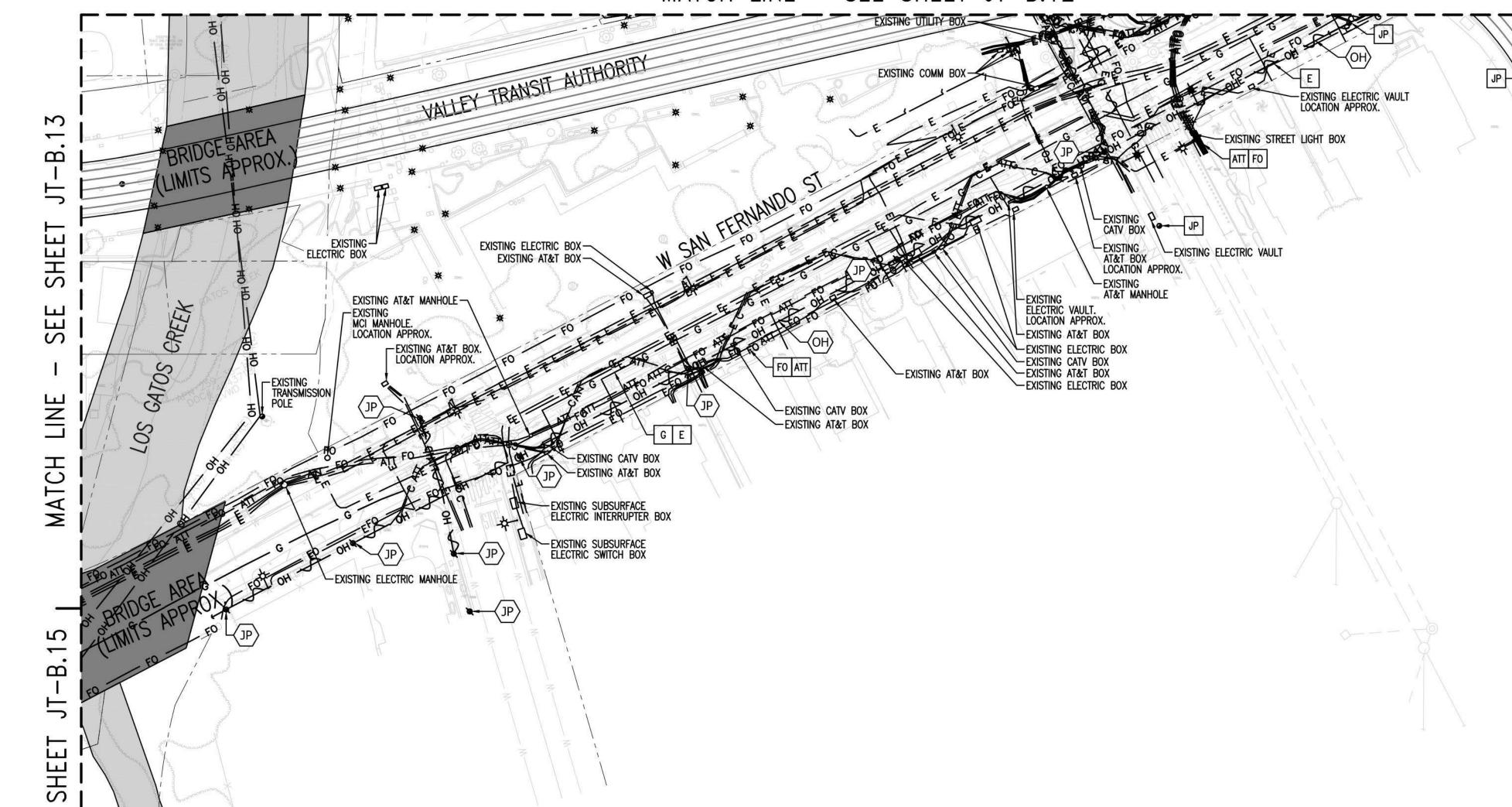
opbox\projects\2020\20-1072 diridon\radius work\ms 20-1072_jt-b1.dw nesday. Sentember 2, 2020, 2:56:34 PM

IE. j:\dropbox\projects\2020\20-1072 diridon\ Wednesday, September 2, 2020 2:56:34 PM HENRY

DRAWING NAME: j:\dropbox\proj PLOT DATE: Wednesday, Sep PLOTTED BY: HENRY

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.12



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET OVERALL

JT-B.3 THRU B.20 JOINT TRENCH INTENT

HENRY NGUYEN CRAIG BURTON LAST UPDATED:

JT-B.14 SHEET: 14 OF: 20

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

SEE

MATCH

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

-PRELIMINARY-NOT FOR CONSTRUCTION

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND: DESCRIPTION** JOINT TRENCH — OH — OVERHEAD LINES

JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT

TRAFFIC SIGNAL LIGHT E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED

EXISTING GAS LINE TO BE REMOVED/RELOCATED FO EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

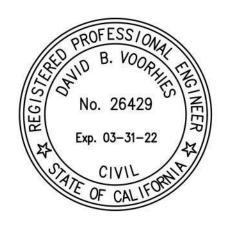
ROJECT NUMBER: 20-1072

1" = 40' SCOTT HARDESTER

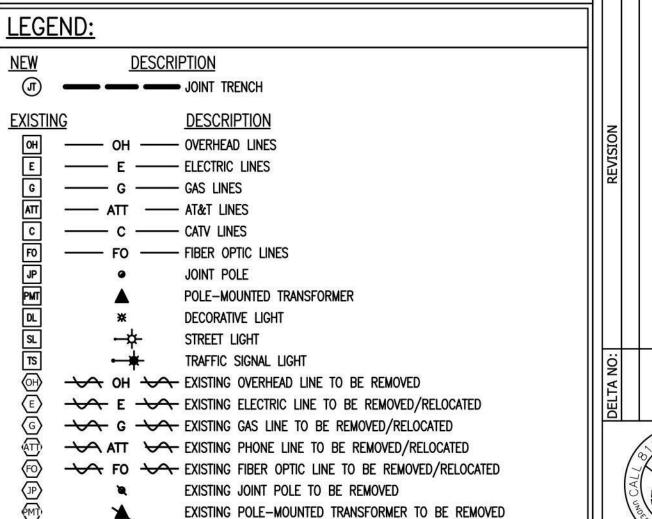
10-07-2020

SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET OVERALL JT-B.3 THRU B.20 JOINT TRENCH INTENT



NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)



NTOWN WEST Jose, California TRENCH INTENT JOINT

OJECT NUMBER: 20-1072 1" = 40'

PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN **CRAIG BURTON** LAST UPDATED:

10-07-2020 RAWING NUMBER: JT-B.15 SHEET: 15 OF: 20

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED B PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND: DESCRIPTION JOINT TRENCH — OH — OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT TRAFFIC SIGNAL LIGHT EXISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

NTOWN WEST Jose, California JOINT

ROJECT NUMBER: 20-1072 1" = 40'

PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON

LAST UPDATED: 10-07-2020 RAWING NUMBER: JT-B.16 SHEET: 16 OF: 20

JOINT TRENCH TITLE SHEET **OVERALL** JT-B.3 THRU B.20 JOINT TRENCH INTENT

SHEET INDEX MAP N. T. S.

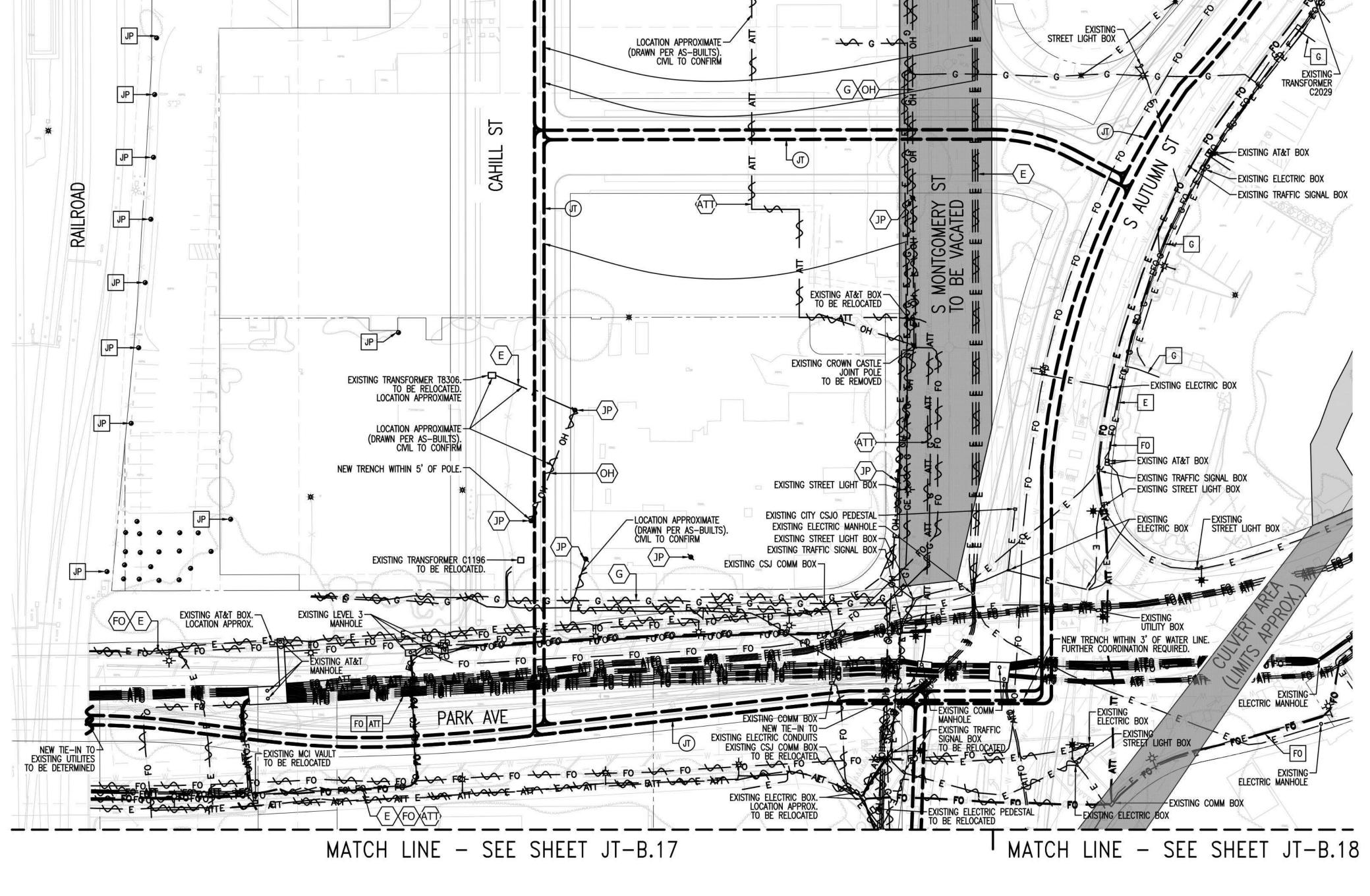
JT-B.3 JT-B.4

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

USE OF PVC DB-120 IS NO LONGER APPROVED PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.



W SAN CARLOS ST

MATCH LINE - SEE SHEET JT-B.19

NOTE TO CONTRACTOR: FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND: DESCRIPTION** — OH — OVERHEAD LINES JOINT POLE POLE-MOUNTED TRANSFORMER STREET LIGHT TRAFFIC SIGNAL LIGHT EXISTING JOINT POLE TO BE REMOVED EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED JOINT

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

SHEET INDEX MAP N. T. S. JOINT TRENCH TITLE SHEET OVERALL JT-B.3 THRU B.20 JOINT TRENCH INTENT

ROJECT NUMBER: 20-1072 1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON LAST UPDATED:

10-07-2020 DRAWING NUMBER: JT-B.17
SHEET: 17 OF: 20

THIS IS NOT A BID DOCUMENT THIS DRAWING HAS NOT YET BEEN REVIEWED BY UTILITY COMPANIES AND IS SUBJECT TO CHANGE.

MATCH LINE - SEE SHEET JT-B.16 | LOCATION APPROXIMATE (DRAWN PER AS-BUILTS).
CIVIL TO CONFIRM NEW TIE-IN TO EXISTING UTILITES TO BE DETERMINED -LOCATION APPROXIMATE NEW TRENCH WITHIN 3' OF GAS LINE. NEW TRENCH WITHIN 3' OF SSWR MANHOLE. FURTHER COORDINATION REQUIRED. EXISTING AT&T BOX -EXISTING ELECTRIC BOX-B.17 EXISTING UTILITY BOX--EXISTING ELECTRIC BOX EXISTING AT&T BOX. TO LOCATION APPROX. SHEET EXISTING GAS VALVE -EXISTING ELECTRIC VAULT EXISTING AT&T BOX.— LOCATION APPROX. LOCATION APPROXIMATE -(DRAWN PER AS-BUILTS). SE EXISTING ELECTRIC BOX.— LOCATION APPROX. EXISTING AT&T BOX. LOCATION APPROX. STREET LIGHT BOX MATCH EXISTING ELECTRIC BOX.
LOCATION APPROX.
EXISTING GAS METER.
LOCATION APPROX.
EXISTING GAS VALVE
LOCATION APPROX. - EXISTING ELECTRIC TRANSFORMER T26108 LOCATION APPROX. -EXISTING ELECTRIC TRANSFORMER T26109. LOCATION APPROX. -EXISTING SBC BOX. LOCATION APPROX. -EXISTING CATV BOX. LOCATION APPROX. -EXISTING ELECTRIC BOX. LOCATION APPROX.

FOR CONTRACTOR'S WORK RESPONSIBILITY, REFER TO JOINT TRENCH TITLE SHEET (JT-B.1) **LEGEND: NEW** DESCRIPTION JOINT TRENCH DESCRIPTION — OH — OVERHEAD LINES FO - FIBER OPTIC LINES JOINT POLE POLE-MOUNTED TRANSFORMER DECORATIVE LIGHT STREET LIGHT TRAFFIC SIGNAL LIGHT OH EXISTING OVERHEAD LINE TO BE REMOVED E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED EXISTING GAS LINE TO BE REMOVED/RELOCATED EXISTING PHONE LINE TO BE REMOVED/RELOCATED FO SISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

NOTE TO CONTRACTOR:

NTOWN WEST Jose, California JOINT

ROJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN CRAIG BURTON

10-07-2020 RAWING NUMBER:

LAST UPDATED: JT-B.18

NOTE TO COMCAST: PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

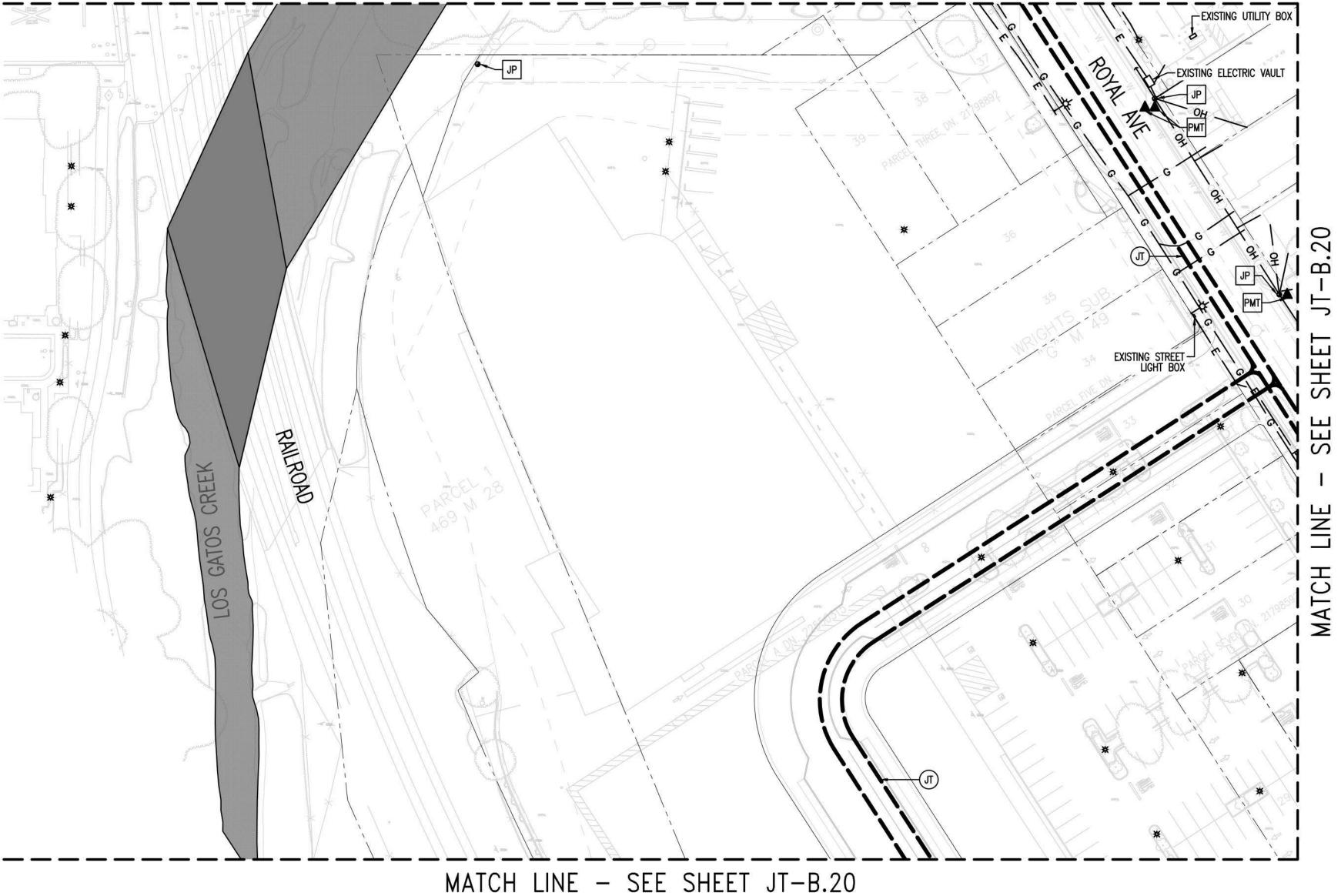
REFER TO PG&E UTILITY BULLETIN TD-7001B-005 DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

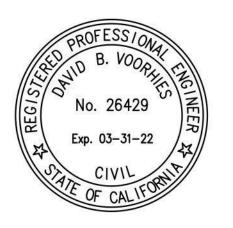
SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET **OVERALL** JT-B.3 THRU B.20 JOINT TRENCH INTENT



SHEET INDEX MAP N. T. S.

JOINT TRENCH TITLE SHEET JT—B.2 OVERALL JT—B.3 THRU B.20 JOINT TRENCH INTENT



NOTE TO CONTRACTOR:

FOR CONTRACTOR'S WORK RESPONSIBILITY,

REFER TO JOINT TRENCH TITLE SHEET (JT-B.1)

LEGEND:

DESCRIPTION JOINT TRENCH

— OH — OVERHEAD LINES

JOINT POLE

STREET LIGHT

TRAFFIC SIGNAL LIGHT OH EXISTING OVERHEAD LINE TO BE REMOVED

POLE-MOUNTED TRANSFORMER

E EXISTING ELECTRIC LINE TO BE REMOVED/RELOCATED

EXISTING GAS LINE TO BE REMOVED/RELOCATED

FO SISTING FIBER OPTIC LINE TO BE REMOVED/RELOCATED

EXISTING JOINT POLE TO BE REMOVED

EXISTING POLE-MOUNTED TRANSFORMER TO BE REMOVED

JOINT

OJECT NUMBER: 20-1072

1" = 40' PROJECT MANAGER: SCOTT HARDESTER

HENRY NGUYEN **CRAIG BURTON** LAST UPDATED:

10-07-2020 JT-B.19 SHEET: 19 OF: 20

NOTE TO COMCAST:
PLEASE CONFIRM WHO WILL PROVIDE CONDUIT AND VAULTS. DEVELOPER TO PROVIDE TRENCH.

REFER TO PG&E UTILITY BULLETIN <u>TD-7001B-005</u> DOCUMENT FOR SMART METER ANTENNA CONSTRUCTION REQUIREMENTS.

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A LICENSED SURVEYOR PRIOR TO CONSTRUCTION. SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE SHEET (JT-B.1) REGARDING EXISTING CONDITIONS

NOTE FOR UNDERGROUND ELECTRIC INSTALLATION: USE OF PVC DB-120 IS NO LONGER APPROVED BY PG&E FOR <u>ANY</u> CONDUIT SIZES, BENDS, AND FITTINGS. RIGID PVC SCHEDULE 40 MUST BE USED IN PLACE OF PVC DB-120 CONDUIT. FOR ALL APPROVED CONDUITS, BENDS, AND FITTINGS, SEE PG&E BULLETIN TD-062288-B006.

JOINT

ROJECT NUMBER: 20-1072

1" = 40'

SCOTT HARDESTER

HENRY NGUYEN

CRAIG BURTON

JT-B.20 SHEET: 20 OF: 20

10-07-2020

RAWING NUMBER:

PROJECT MANAGER:

LAST UPDATED:

SUBSTRUCTURE LOCATIONS MUST BE STAKED BY A

LICENSED SURVEYOR PRIOR TO CONSTRUCTION.

SEE CONSTRUCTION NOTES ON JOINT TRENCH TITLE

SHEET (JT-B.1) REGARDING EXISTING CONDITIONS.

PG&E BULLETIN TD-062288-B006.